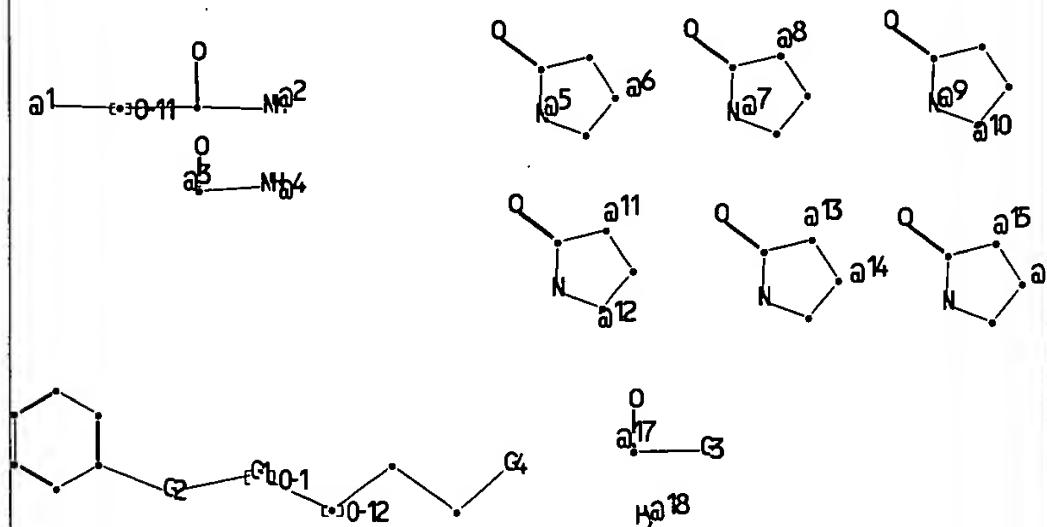


| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|------------------------------------|------------------|
| 1 | 6178 | ((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:33 |
| 2 | 6255 | ((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:34 |
| 3 | 10634 | ((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.) or (((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:34 |
| 4 | 3937 | integrin\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:35 |
| 5 | 84 | ((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.) or (((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.)) and integrin\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:35 |
| 6 | 118072 | pyrrolid\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:41 |
| 7 | 4814 | ((544/331) or (544/332) or (546/175) or (546/194) or (546/256) or (546/270.7) or (546/274.7) or (546/278.4) or (548/314.7) or (548/526) or (548/527) or (548/547) or (548/550)).CCLS.) or (((514/341) or (514/342) or (514/343) or (514/333) or (514/424) or (514/318) or (514/314) or (514/422) or (514/397) or (514/275)).CCLS.)) and pyrrolid\$ | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/05/10 14:42 |

✓ reviewed.



chain nodes :

| | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 33 | 39 | 45 | 51 | 57 | 73 | 74 | 75 | 76 | 77 | 79 | 80 |
| 85 | | | | | | | | | | | | | | | | | | | | | | |

ring nodes :

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 28 | 29 | 30 | 31 | 32 | 34 | 35 | 36 | 37 | 38 | 40 | 41 | 42 | 43 |
| 44 | 46 | 47 | 48 | 49 | 50 | 52 | 53 | 54 | 55 | 56 | | | | | | | | | | | | | | |

chain bonds :

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|--|
| 6-73 | 10-12 | 13-14 | 13-79 | 15-16 | 15-17 | 15-18 | 18-22 | 19-20 | 19-21 | 31-33 | 37-39 | 43-45 | | | | | | | | | | | | |
| 49-51 | 55-57 | 73-74 | 74-75 | 75-76 | 76-77 | 77-85 | | | | | | | | | | | | | | | | | | |

ring bonds :

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|
| 1-2 | 1-6 | 2-3 | 3-4 | 4-5 | 5-6 | 7-8 | 7-11 | 8-9 | 9-10 | 10-11 | 28-29 | 28-32 | 29-30 | 30-31 | 30-31 | | | | | | | | |
| 31-32 | 34-35 | 34-38 | 35-36 | 36-37 | 37-38 | 40-41 | 40-44 | 41-42 | 42-43 | 43-44 | 46-47 | 46-50 | | | | | | | | | | | |
| 47-48 | 48-49 | 49-50 | 52-53 | 52-56 | 53-54 | 54-55 | 55-56 | | | | | | | | | | | | | | | | |

exact/norm bonds :

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|
| 6-73 | 8-9 | 9-10 | 10-12 | 13-14 | 13-79 | 15-16 | 15-17 | 19-20 | 19-21 | 29-30 | 30-31 | 31-33 | | | | | | | | | | | |
| 35-36 | 36-37 | 37-39 | 41-42 | 42-43 | 43-45 | 47-48 | 48-49 | 49-51 | 53-54 | 54-55 | 55-57 | 73-74 | | | | | | | | | | | |
| 74-75 | 77-85 | | | | | | | | | | | | | | | | | | | | | | |

exact bonds :

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|
| 7-8 | 7-11 | 10-11 | 15-18 | 18-22 | 28-29 | 28-32 | 31-32 | 34-35 | 34-38 | 37-38 | 40-41 | 40-44 | | | | | | | | | | | |
| 43-44 | 46-47 | 46-50 | 49-50 | 52-53 | 52-56 | 55-56 | 75-76 | 76-77 | | | | | | | | | | | | | | | |

normalized bonds :

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 1-2 | 1-6 | 2-3 | 3-4 | 4-5 | 5-6 |
|-----|-----|-----|-----|-----|-----|

isolated ring systems :

| | | | | | | | | | | | |
|--------------|---|----|---|----|---|----|---|----|---|----|---|
| containing 7 | : | 28 | : | 34 | : | 40 | : | 46 | : | 52 | : |
|--------------|---|----|---|----|---|----|---|----|---|----|---|

G1: [*1-*2], [*3-*4]

G2: [*5-*6], [*7-*8], [*9-*10], [*11-*12], [*13-*14], [*15-*16]

G3: O, N

G4: [*17], [*18]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
21:CLASS 22:CLASS 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:CLASS 34:Atom 35:Atom
36:Atom 37:Atom 38:Atom 39:CLASS 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:CLASS
46:Atom 47:Atom 48:Atom 49:Atom 50:Atom 51:CLASS 52:Atom 53:Atom 54:Atom 55:Atom
56:Atom 57:CLASS 73:CLASS 74:CLASS 75:CLASS 76:CLASS 77:CLASS 79:CLASS 80:Atom
85:CLASS

Generic attributes :

80:
Number of Carbon Atoms : less than 7
Number of Hetero Atoms : 2 or more
Type of Ring System : Monocyclic

Element Count :

Node 80: Limited
C,C1
N,N4
O,O0
S,S0

09/732,546

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\09732546 (new).str

L1 STRUCTURE uploaded

=> que L1

L2 QUE L1

=> d 12

L2 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

L2 QUE L1

=> s 12 sss sam

SAMPLE SEARCH INITIATED 11:36:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8038 TO ITERATE

12.4% PROCESSED 1000 ITERATIONS

1 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 155392 TO 166128

PROJECTED ANSWERS: 1 TO 330

L3 1 SEA SSS SAM L1

=>

Uploading 09732546 (new).str

L4 STRUCTURE uploaded

=> d 14

L4 HAS NO ANSWERS

L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 14 sss sam

SAMPLE SEARCH INITIATED 11:40:52 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8038 TO ITERATE

12.4% PROCESSED 1000 ITERATIONS

1 ANSWERS

09/732,546

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 155392 TO 166128
PROJECTED ANSWERS: 1 TO 330

L5 1 SEA SSS SAM L4

=> s 14 sss ful
FULL SEARCH INITIATED 11:41:03 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 162644 TO ITERATE

100.0% PROCESSED 162644 ITERATIONS 267 ANSWERS
SEARCH TIME: 00.00.11

L6 267 SEA SSS FUL L4

=> s 16
L7 23 L6

=> d 17 1-23 bib,ab,hitstr

L7 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:453053 CAPLUS
 DN 135:61230
 TI 1-(Aminophenyl)-2-pyrrolidones as integrin inhibitors
 IN Dominguez, Celia; Chen, Guoqing; Xi, Ning; Xu, Shimin; Han, Nianhe; Liu, Qingyian; Huang, Qi; Siegmund, Aaron; Handley, Michael; Liu, Longbin; Kiselyov, Alexander S.

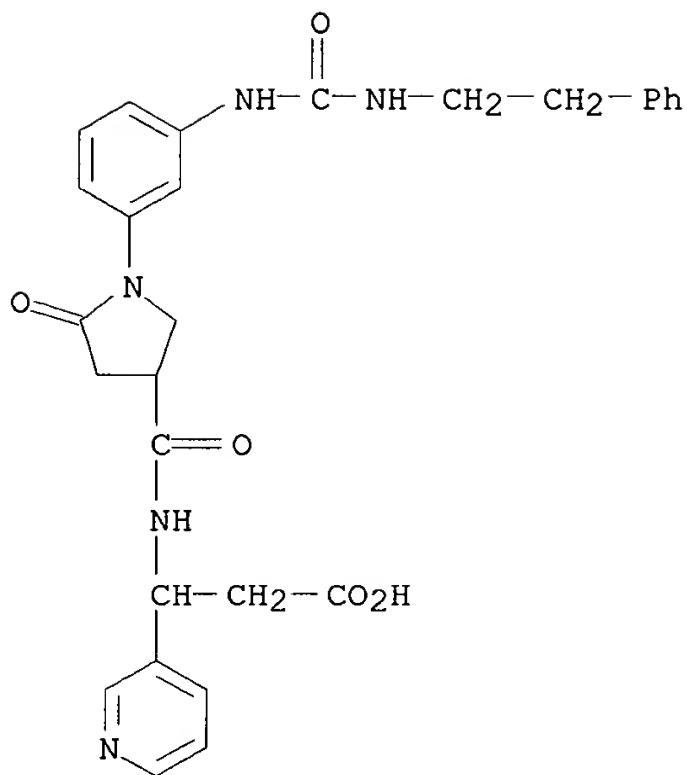
PA Amgen Inc., USA
 SO PCT Int. Appl., 197 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

Appl. Ref.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|-----------|----------|-----------------|----------|
| PI | WO 2001044230 | A1 | 20010621 | WO 2000-US33515 | 20001211 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2002019402 | A1 | 20020214 | US 2000-732546 | 20001208 |
| PRAI | US 1999-170824P | P | 19991214 | | |
| OS | MARPAT | 135:61230 | | | |
| AB | Title compds. are effective in the prophylaxis and treatment of diseases or conditions mediated by integrin receptors, such as .alpha.v.beta.3, .alpha.v.beta.5, .alpha.v.beta.6, .alpha.5.beta.1. Thus, the pyrrolidinone I [R = PhNHCO, R1 = H] was prepd. by treating I [R = H, R1 = Et] with PhNCO and ester hydrolysis. | | | | |
| IT | 345296-12-0P RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (prepn. of 1-(aminophenyl)-2-pyrrolidones as integrin inhibitors) | | | | |
| RN | 345296-12-0 CAPLUS | | | | |
| CN | 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(2-phenylethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME) | | | | |



514 | 343

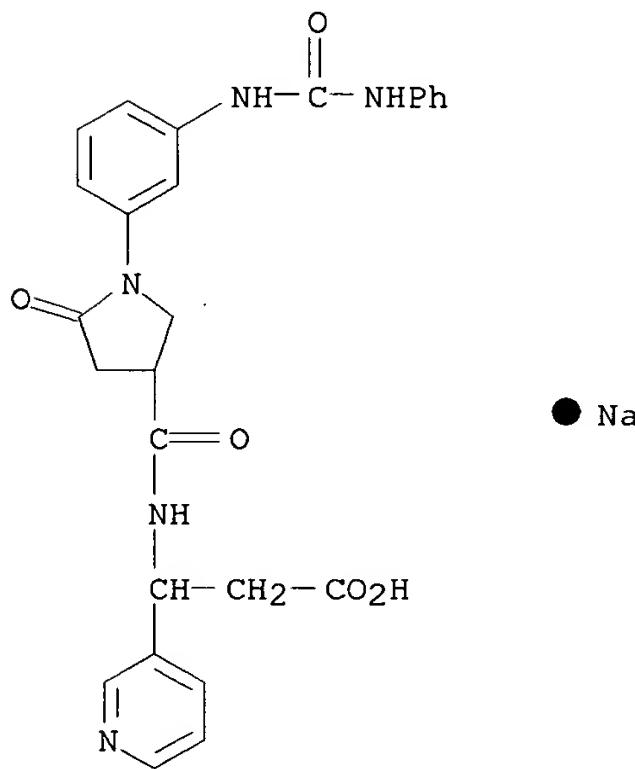
| | | | |
|----|--------------|--------------|--------------|
| IT | 345296-11-9P | 345296-13-1P | 345296-14-2P |
| | 345296-15-3P | 345296-16-4P | 345296-17-5P |
| | 345296-18-6P | 345296-19-7P | 345296-20-0P |
| | 345296-21-1P | 345296-22-2P | 345296-23-3P |
| | 345296-24-4P | 345296-25-5P | 345296-26-6P |
| | 345296-27-7P | 345296-28-8P | 345296-29-9P |
| | 345296-30-2P | 345296-31-3P | 345296-32-4P |
| | 345296-33-5P | 345296-34-6P | 345296-35-7P |
| | 345296-36-8P | 345296-37-9P | 345296-38-0P |
| | 345296-39-1P | 345296-40-4P | 345296-41-5P |
| | 345296-42-6P | 345296-43-7P | 345296-44-8P |
| | 345296-45-9P | 345296-46-0P | 345296-47-1P |
| | 345296-48-2P | 345296-49-3P | 345296-50-6P |
| | 345296-51-7P | 345296-52-8P | 345296-54-0P |
| | 345296-55-1P | 345296-56-2P | 345296-57-3P |
| | 345296-58-4P | 345296-59-5P | 345296-60-8P |
| | 345296-61-9P | 345296-62-0P | 345296-63-1P |
| | 345296-64-2P | 345296-66-4P | 345296-68-6P |
| | 345296-70-0P | 345296-72-2P | 345296-74-4P |
| | 345296-76-6P | 345296-77-7P | 345296-79-9P |
| | 345296-81-3P | 345296-83-5P | 345296-85-7P |
| | 345296-87-9P | 345296-89-1P | 345296-90-4P |
| | 345296-91-5P | 345296-92-6P | 345296-93-7P |
| | 345296-94-8P | 345296-95-9P | 345296-96-0P |
| | 345296-97-1P | 345296-98-2P | 345296-99-3P |
| | 345297-00-9P | 345297-01-0P | 345297-02-1P |
| | 345297-03-2P | 345297-05-4P | 345297-07-6P |
| | 345297-09-8P | 345297-10-1P | 345297-11-2P |
| | 345297-12-3P | 345297-13-4P | 345297-14-5P |
| | 345297-15-6P | 345297-16-7P | 345297-17-8P |
| | 345297-18-9P | 345297-19-0P | 345297-20-3P |
| | 345297-21-4P | 345297-22-5P | 345297-23-6P |
| | 345297-24-7P | 345297-25-8P | 345297-26-9P |
| | 345297-27-0P | 345297-28-1P | 345297-29-2P |
| | 345297-30-5P | 345297-31-6P | 345297-32-7P |

345297-33-8P 345297-34-9P 345297-35-0P
 345297-36-1P 345297-37-2P 345297-38-3P
 345297-39-4P 345297-40-7P 345297-41-8P
 345297-42-9P 345297-43-0P 345297-44-1P
 345297-45-2P 345297-46-3P 345297-47-4P
 345297-48-5P 345297-49-6P 345297-50-9P
 345297-51-0P 345297-52-1P 345297-53-2P
 345297-54-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 1-(aminophenyl)-2-pyrrolidones as integrin inhibitors)

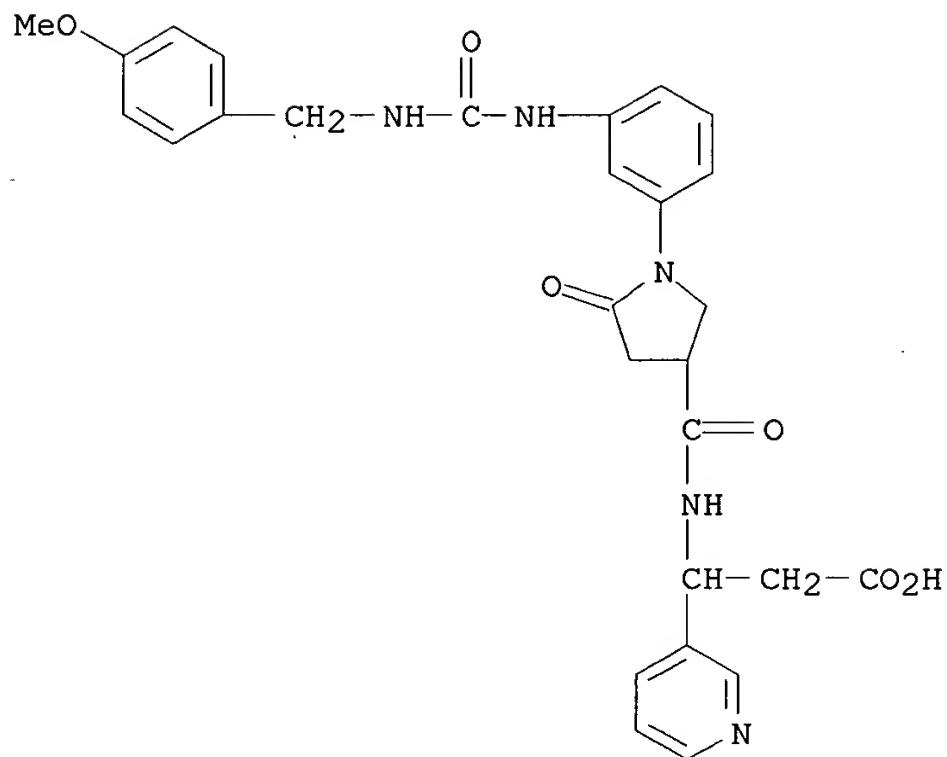
RN 345296-11-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-
 [[(phenylamino)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-,
 monosodium salt (9CI) (CA INDEX NAME)



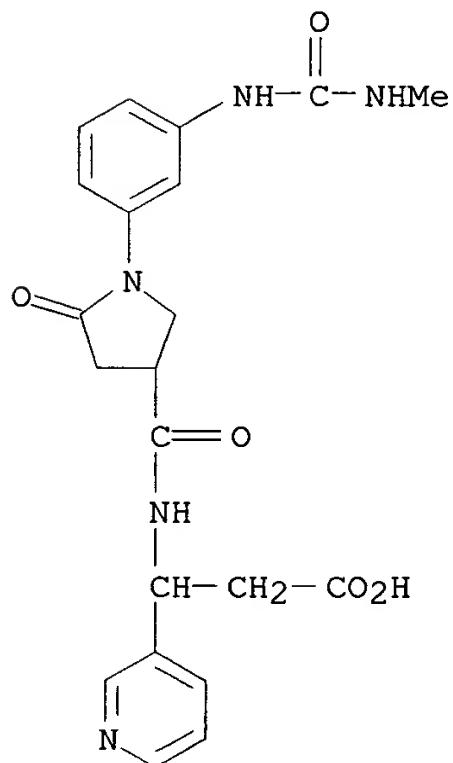
RN 345296-13-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[[1-[3-[[[(4-
 methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-
 pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



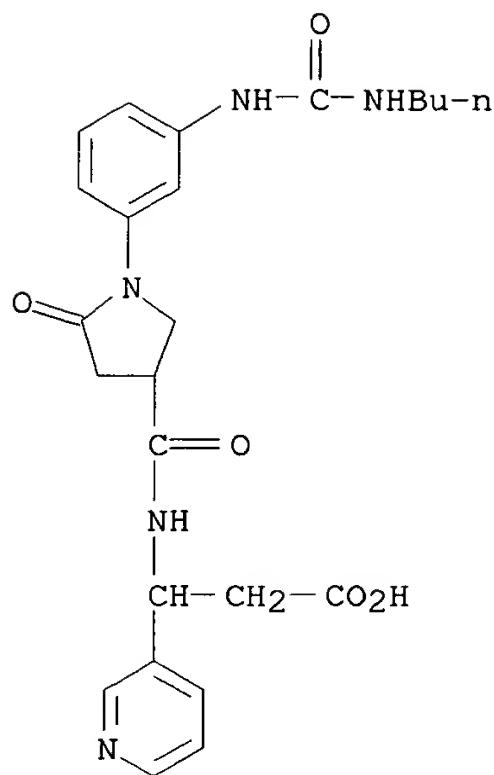
RN 345296-14-2 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[3-[(methylamino)carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



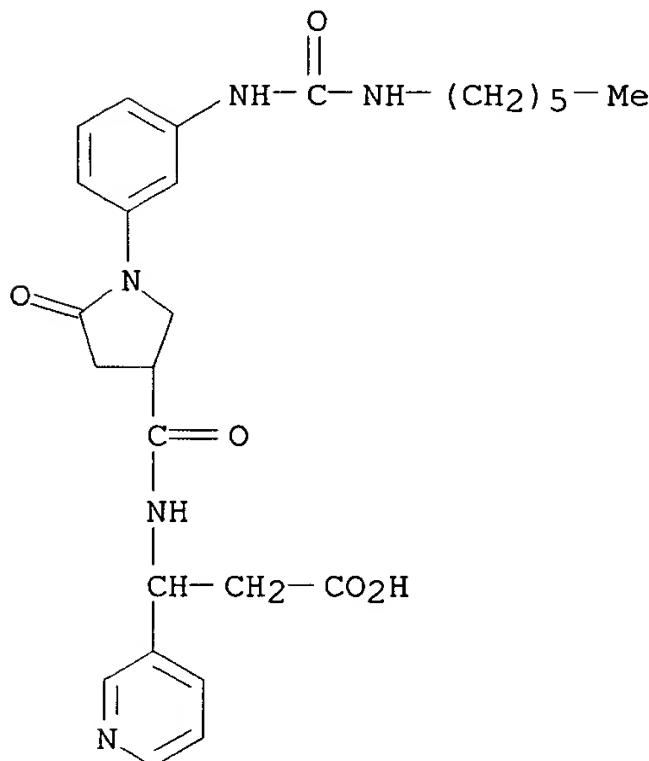
RN 345296-15-3 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[3-[(butylamino)carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



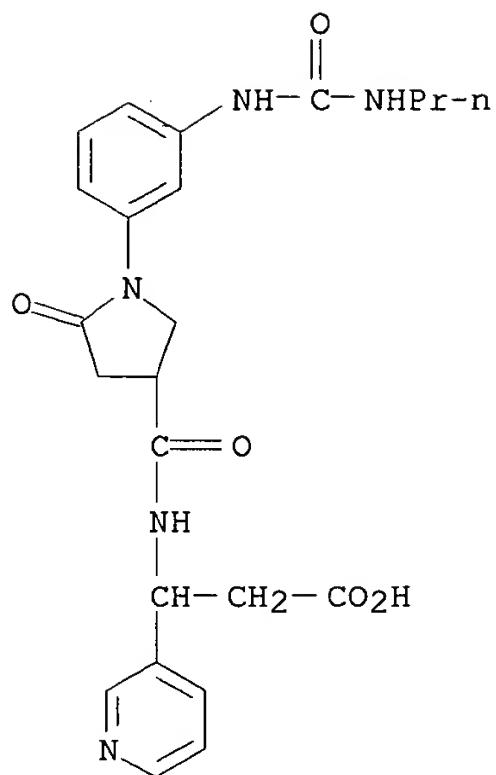
RN 345296-16-4 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[3-[(hexylamino)carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



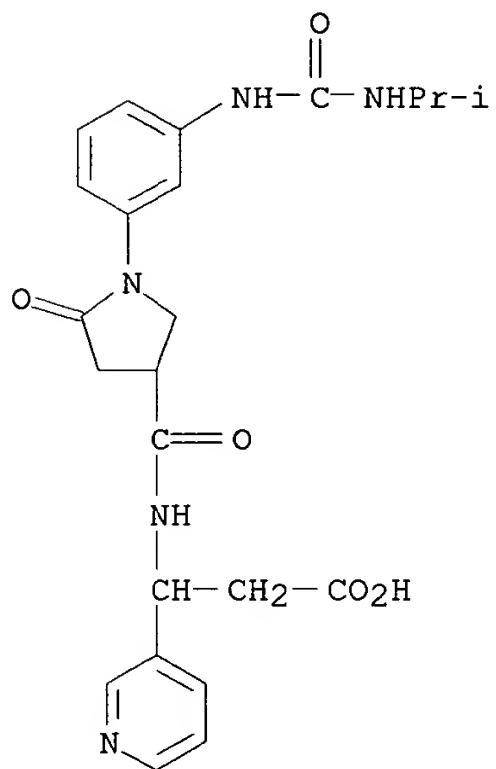
RN 345296-17-5 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[(propylamino)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



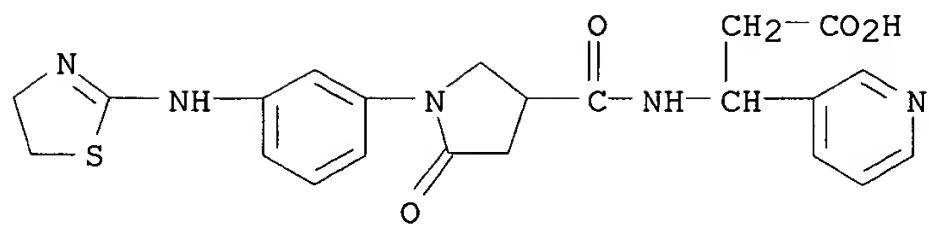
RN 345296-18-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(1-methylethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



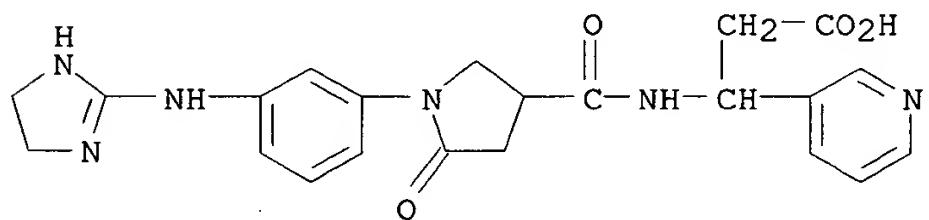
RN 345296-19-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(4,5-dihydro-2-thiazolyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



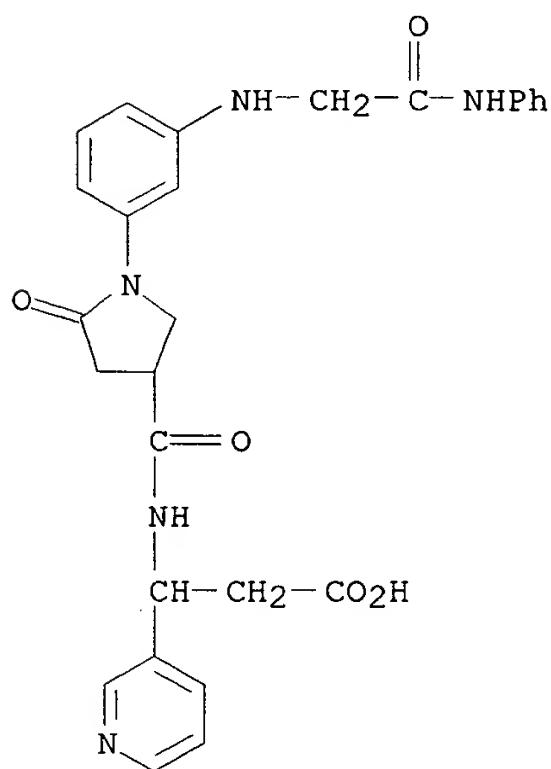
RN 345296-20-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



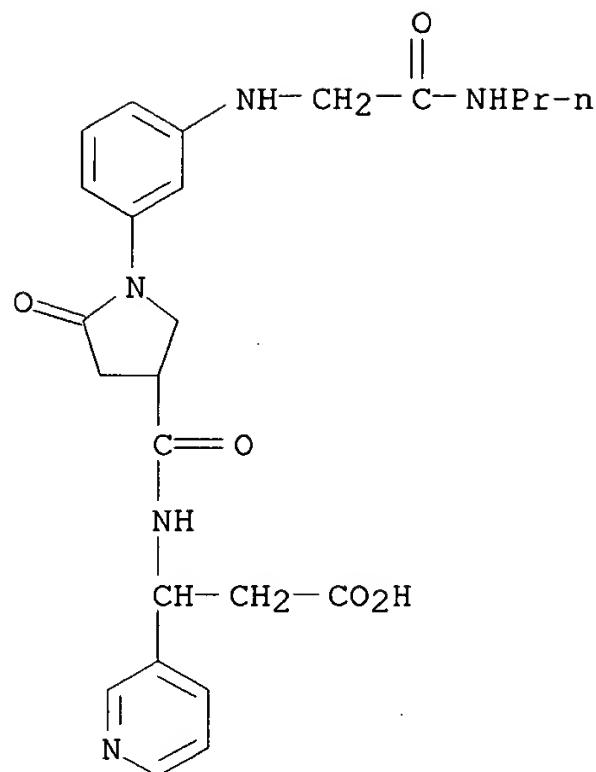
RN 345296-21-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-oxo-2-(phenylamino)ethyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



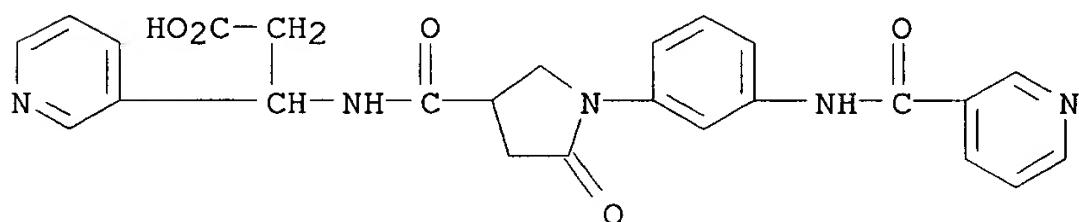
RN 345296-22-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-oxo-2-(propylamino)ethyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



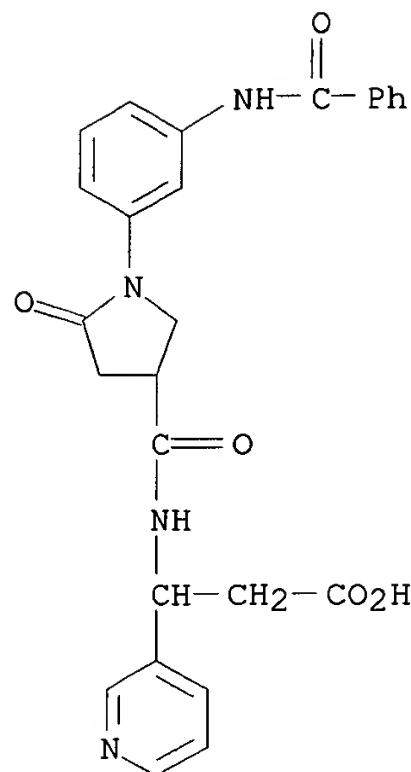
RN 345296-23-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(3-pyridinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



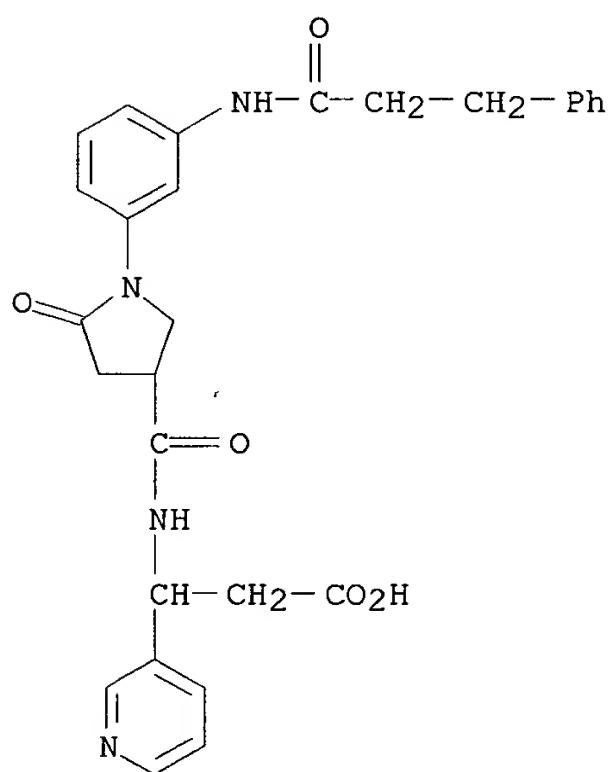
RN 345296-24-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-(benzoylamino)phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



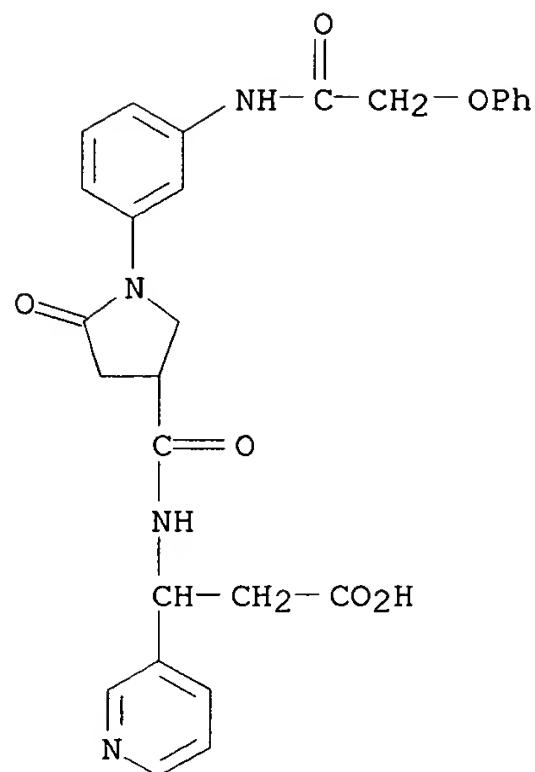
RN 345296-25-5 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[(1-oxo-3-phenylpropyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



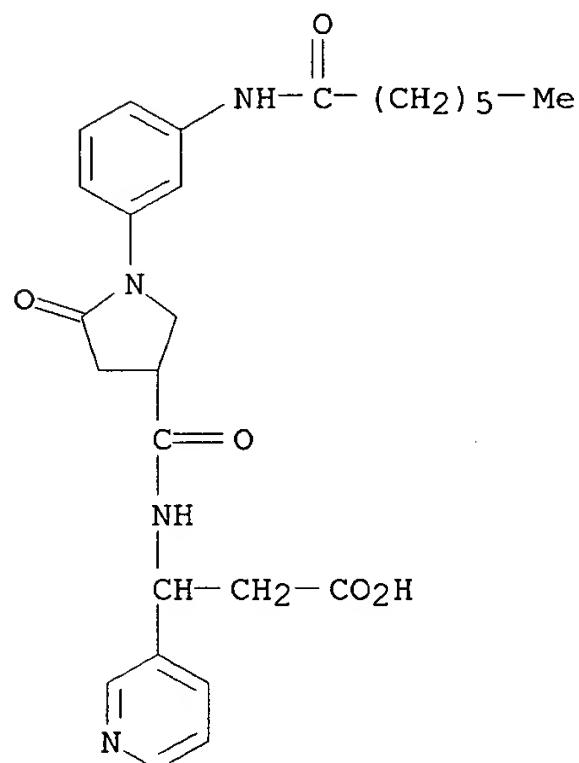
RN 345296-26-6 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[(phenoxyacetyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



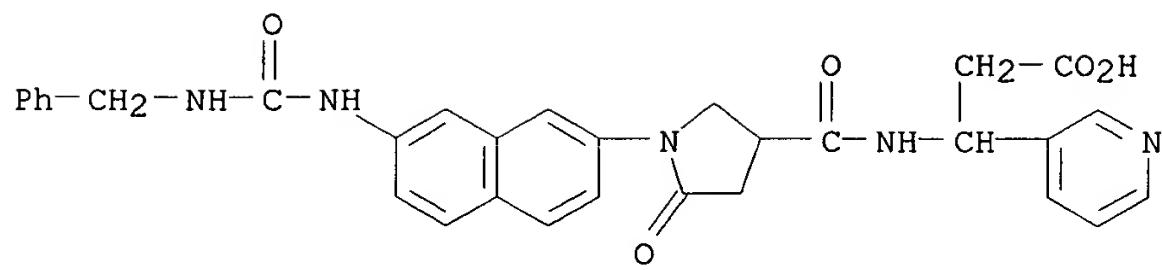
RN 345296-27-7 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[(1-oxoheptyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



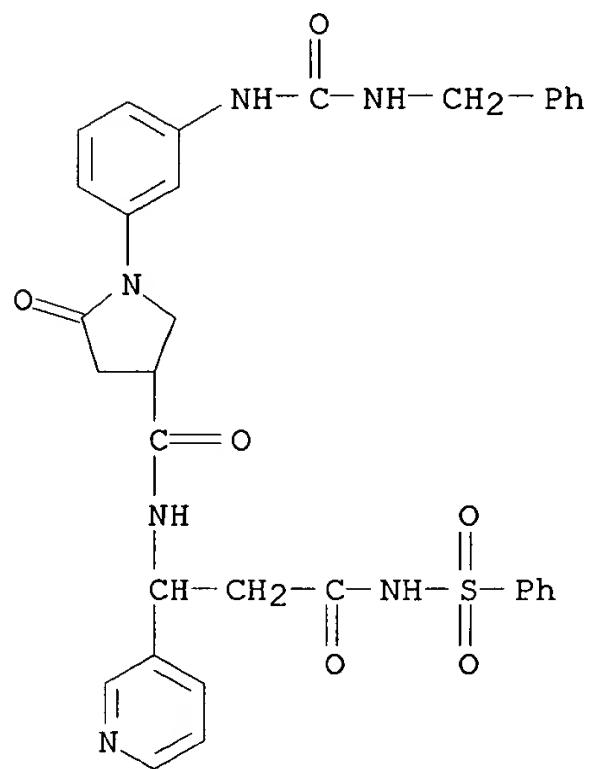
RN 345296-28-8 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[7-[[[(phenylmethyl)amino]carbonyl]amino]-2-naphthalenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



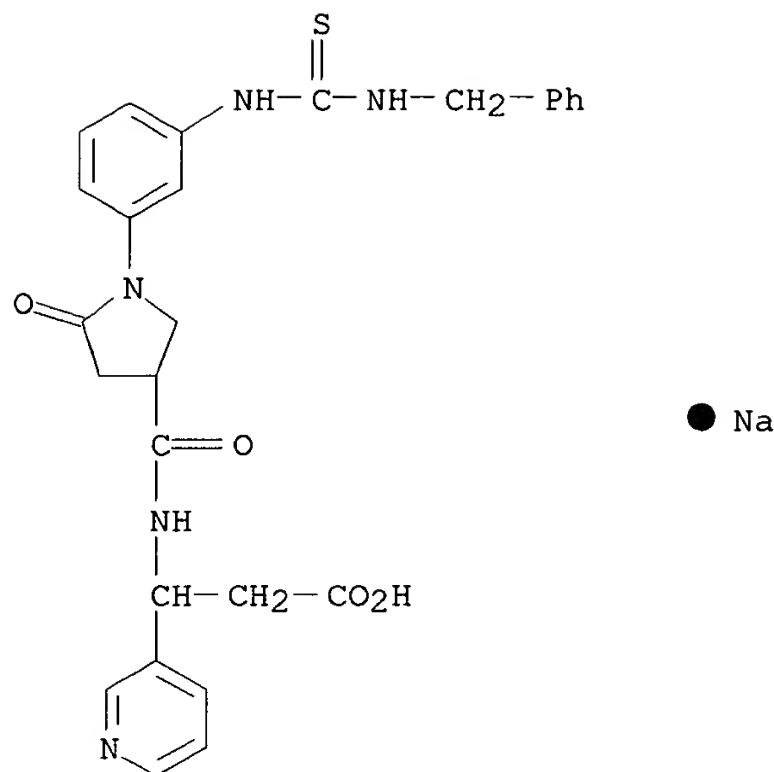
RN 345296-29-9 CAPLUS

CN 3-Pyridinepropanamide, β -[[[5-oxo-1-[3-[[[phenylmethyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)- (9CI)
(CA INDEX NAME)



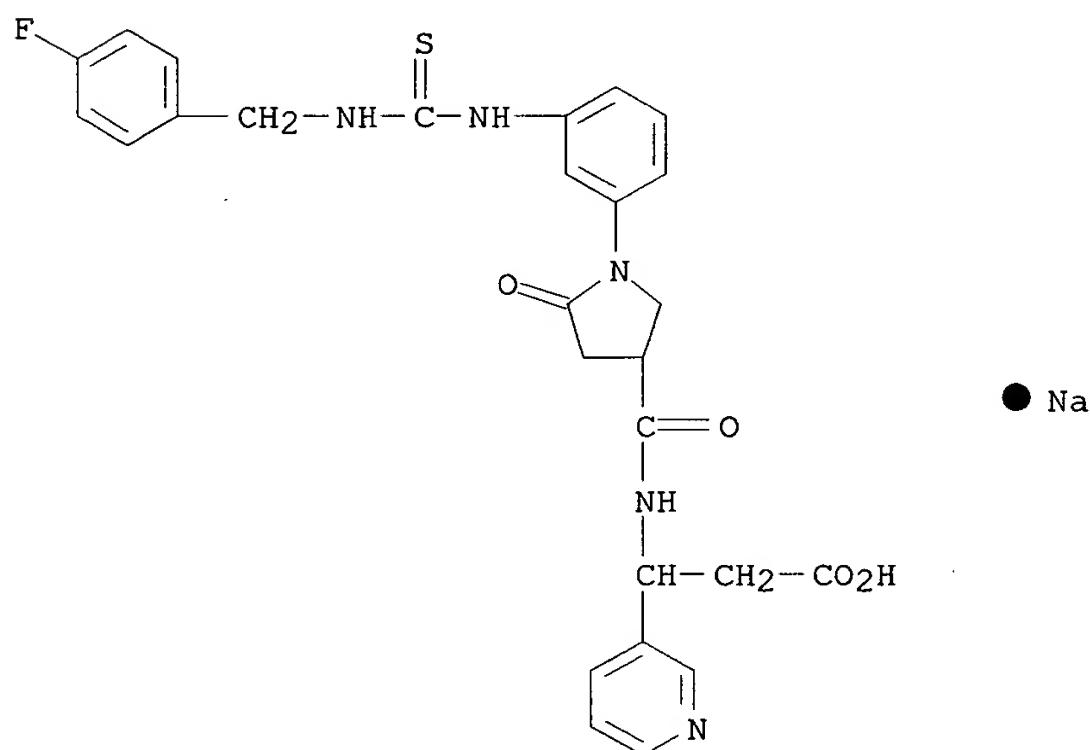
RN 345296-30-2 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[[[phenylmethyl]amino]thioxomethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



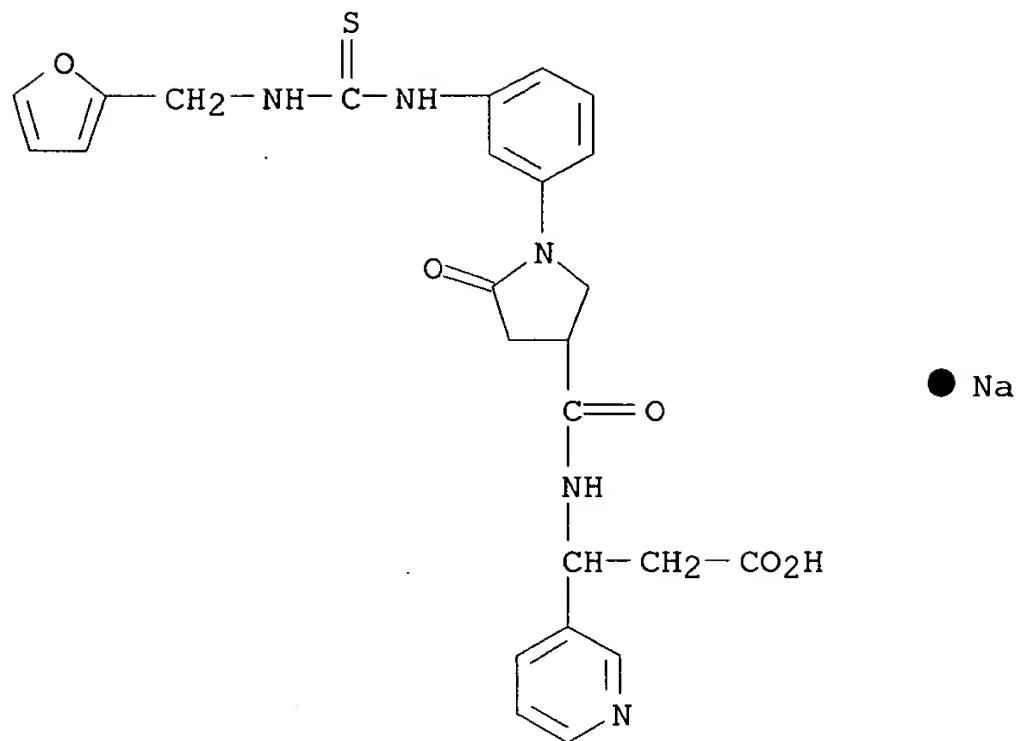
RN 345296-31-3 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[1-[3-[[[4-fluorophenyl]methyl]amino]thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidinyl carbonyl amino monosodium salt (9CI) (CA INDEX NAME)



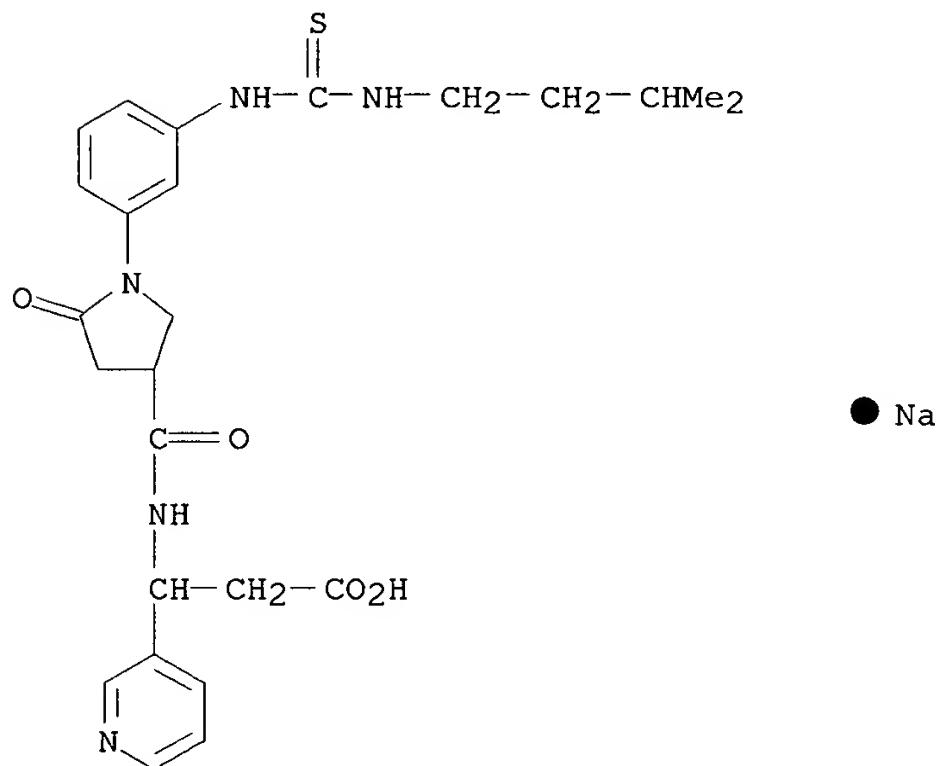
RN 345296-32-4 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[1-[3-[[[(2-furanyl)methyl]amino]thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidinyl carbonyl amino monosodium salt (9CI) (CA INDEX NAME)



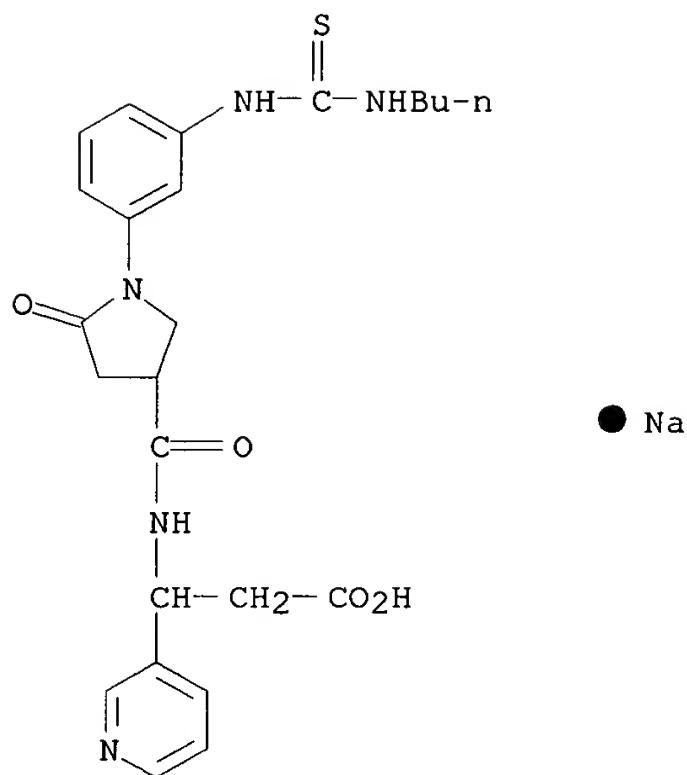
RN 345296-33-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[[1-[3-[(3-methylbutyl)amino]thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



RN 345296-34-6 CAPLUS

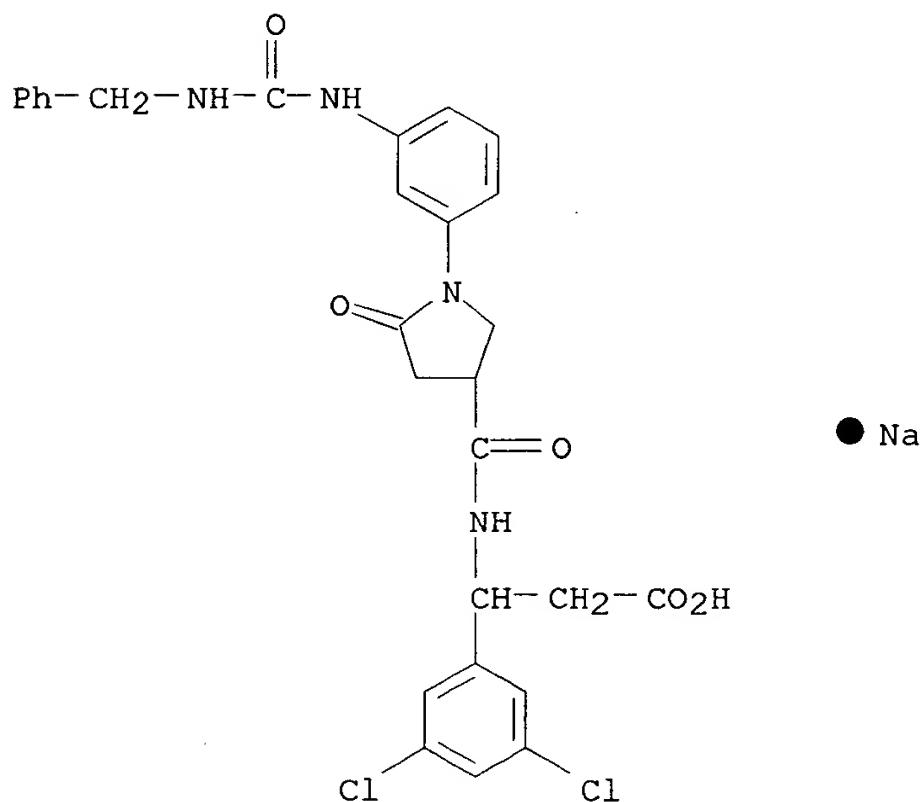
CN 3-Pyridinepropanoic acid, .beta.-[[[[1-[3-[(butylamino)thioxomethyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-35-7 CAPLUS

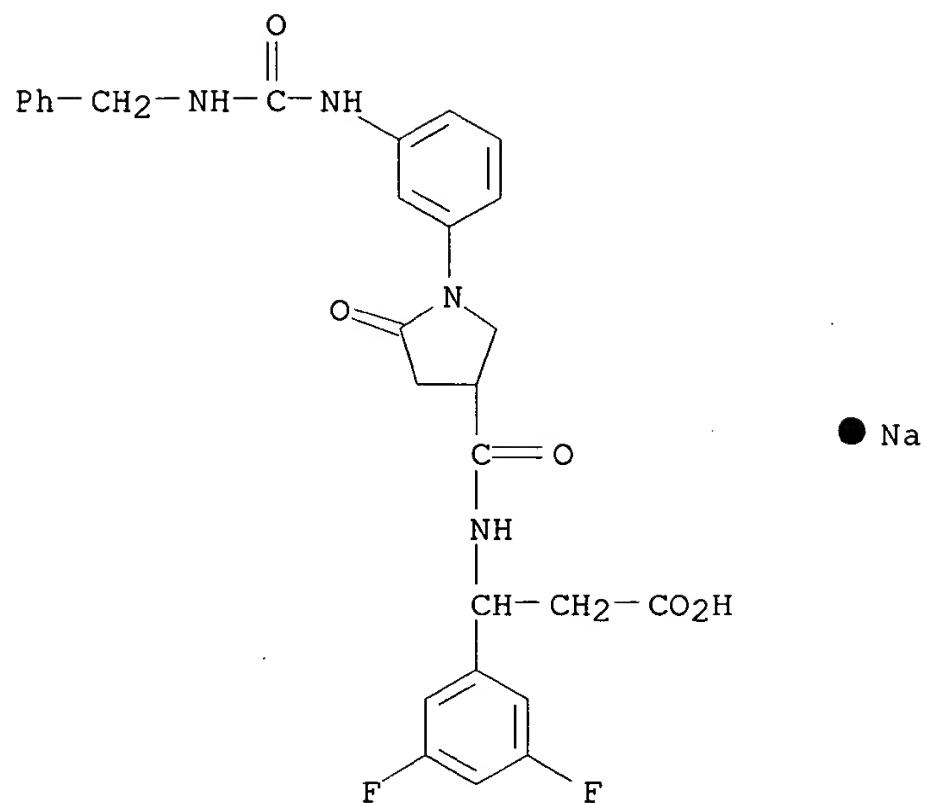
CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[5-oxo-1-[3-[[[phenylmethyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-36-8 CAPLUS

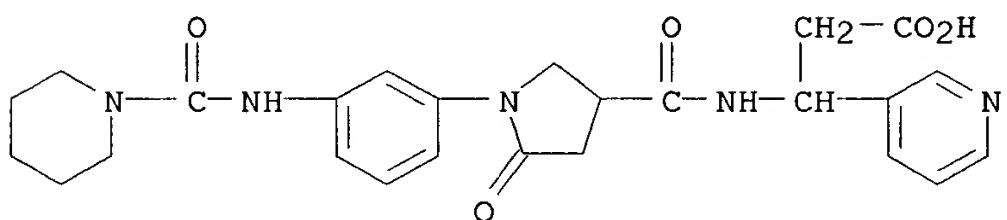
CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[5-oxo-1-[3-[[[phenylmethyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

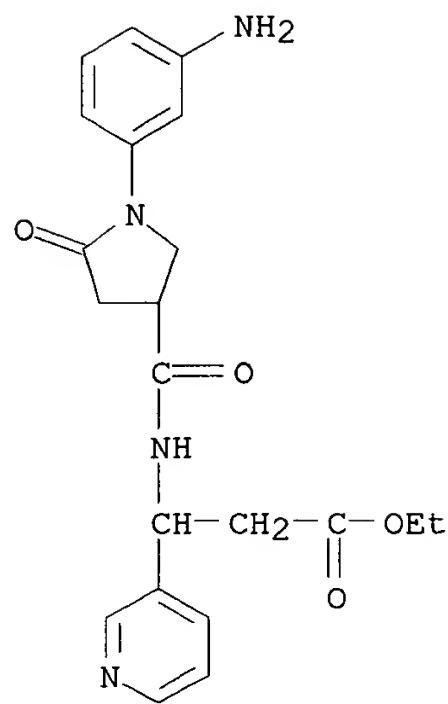
RN 345296-37-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-piperidinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



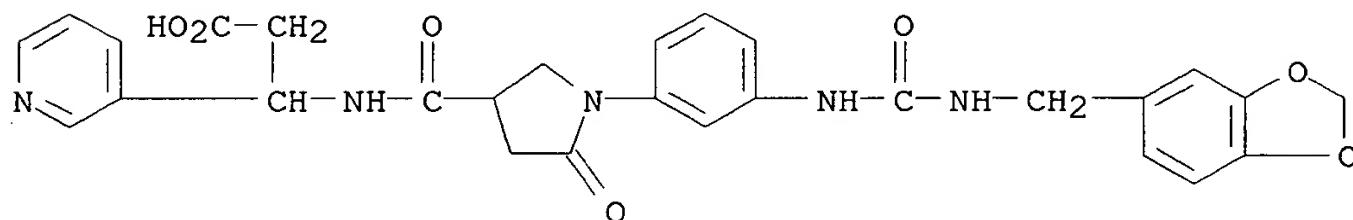
RN 345296-38-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(3-aminophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345296-39-1 CAPLUS

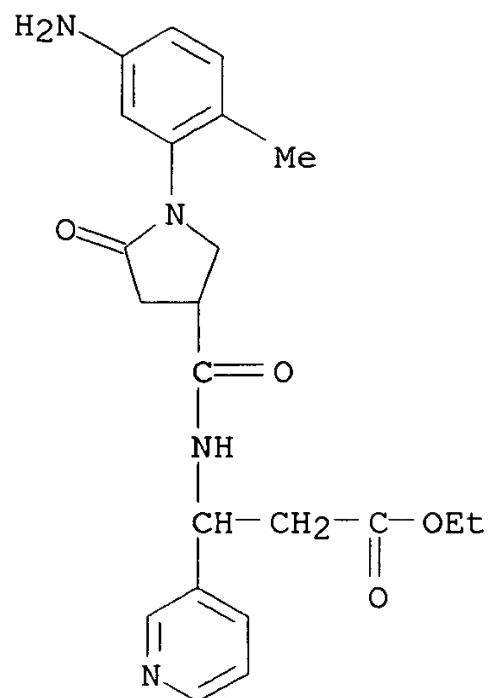
CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(1,3-benzodioxol-5-ylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

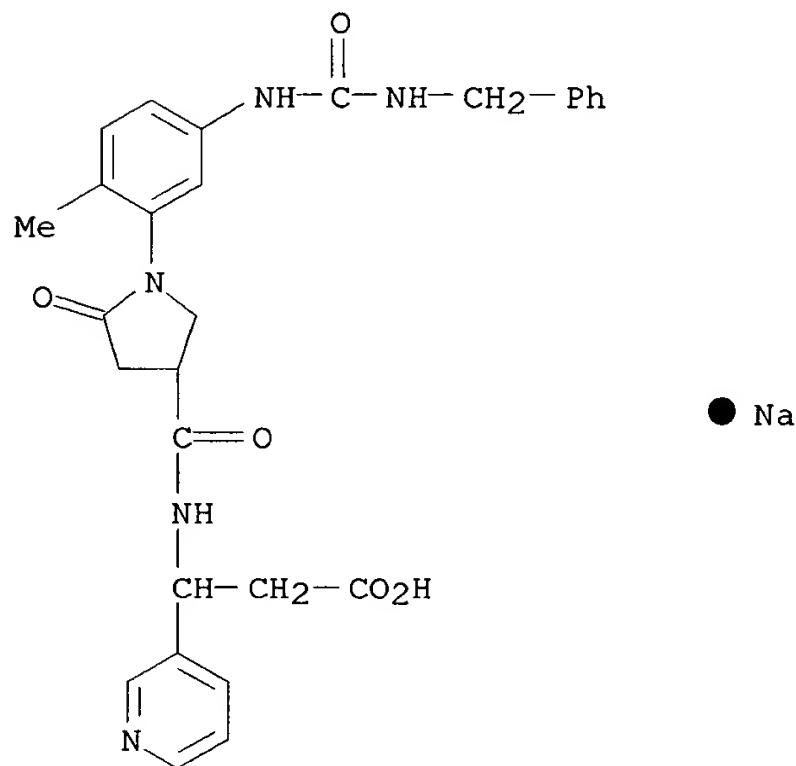
RN 345296-40-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(5-amino-2-methylphenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



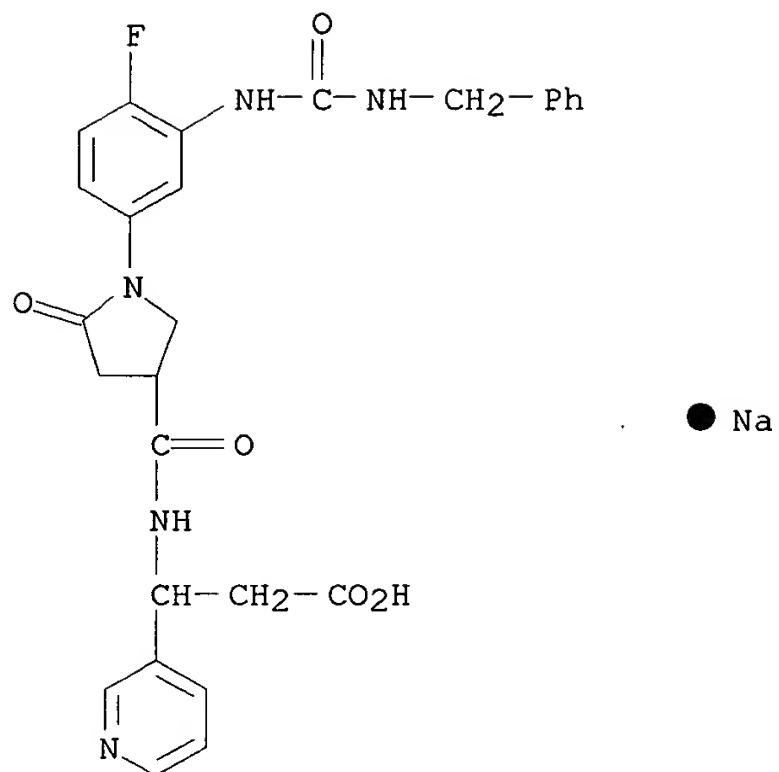
RN 345296-41-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-methyl-5-[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

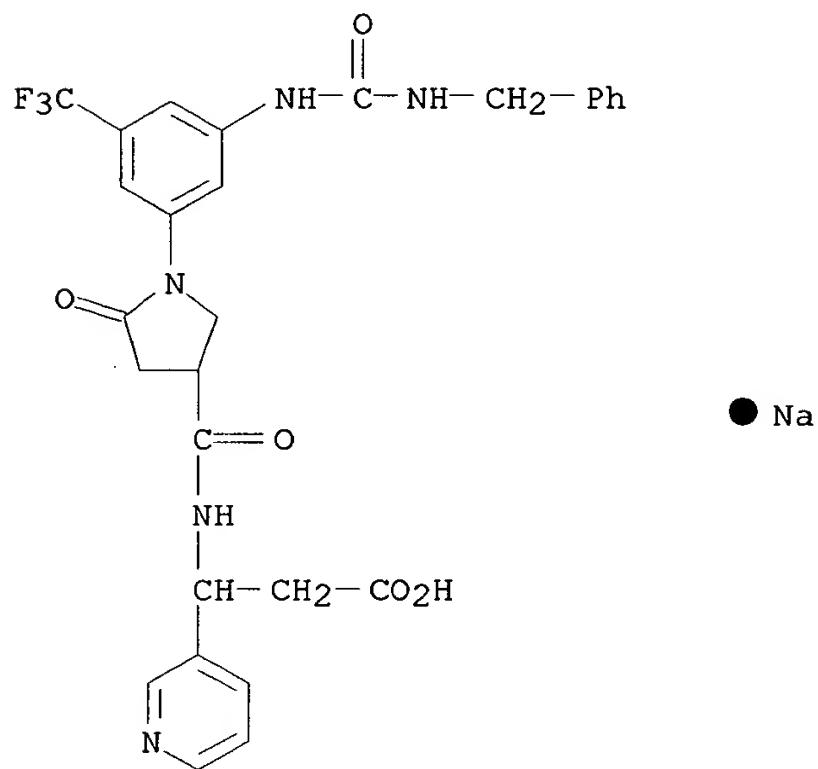


RN 345296-42-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[4-fluoro-3-[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

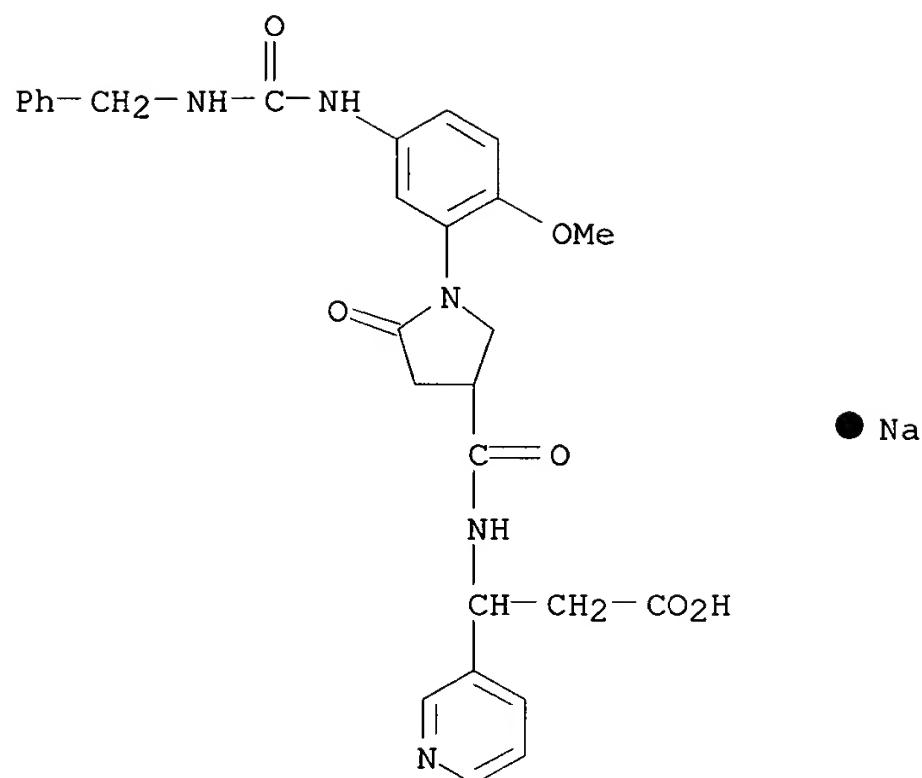


RN 345296-43-7 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]-5-(trifluoromethyl)phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

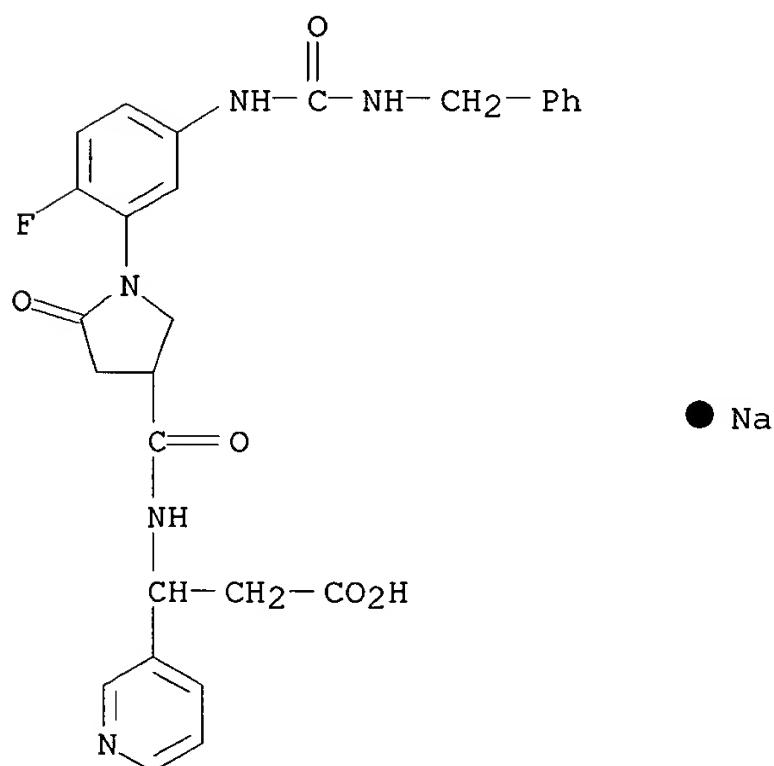
RN 345296-44-8 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[2-methoxy-5-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



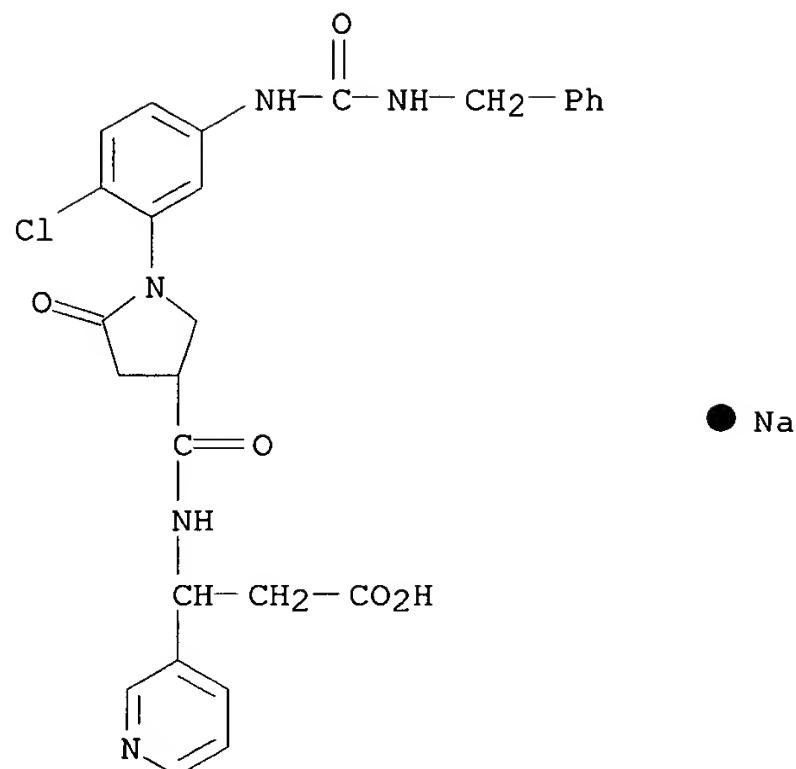
RN 345296-45-9 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[2-fluoro-5-[[[phenylmethyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



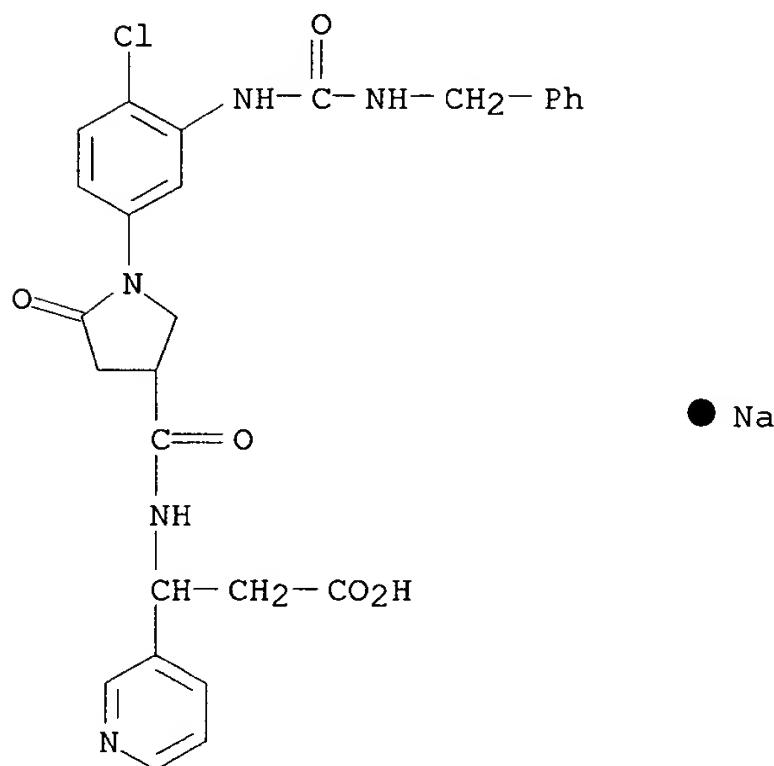
RN 345296-46-0 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[2-chloro-5-[[[phenylmethyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



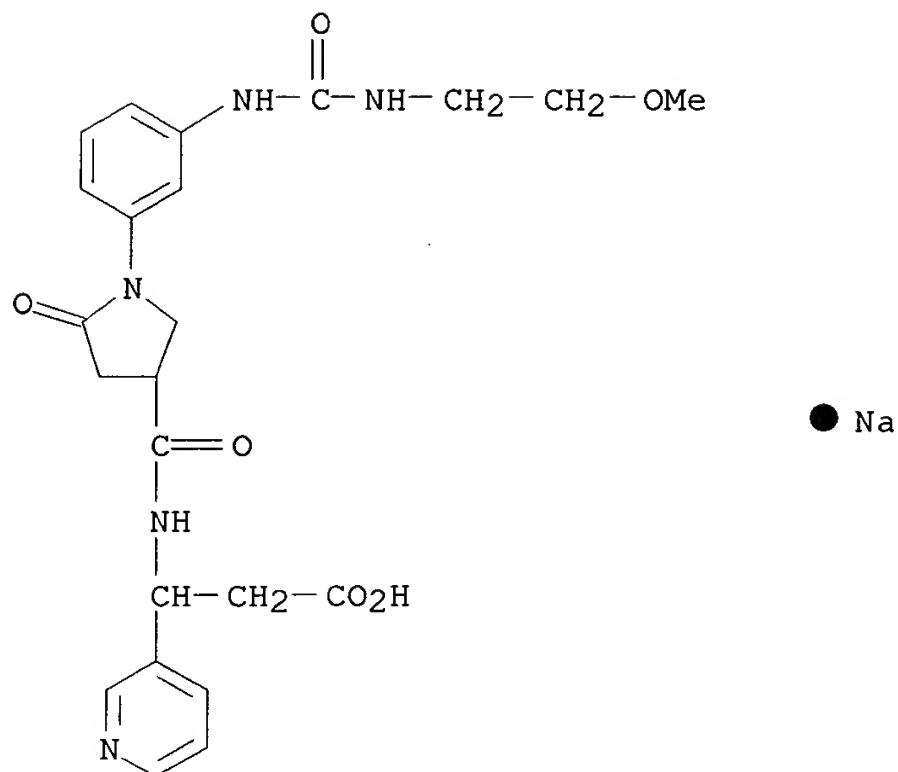
RN 345296-47-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[4-chloro-3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



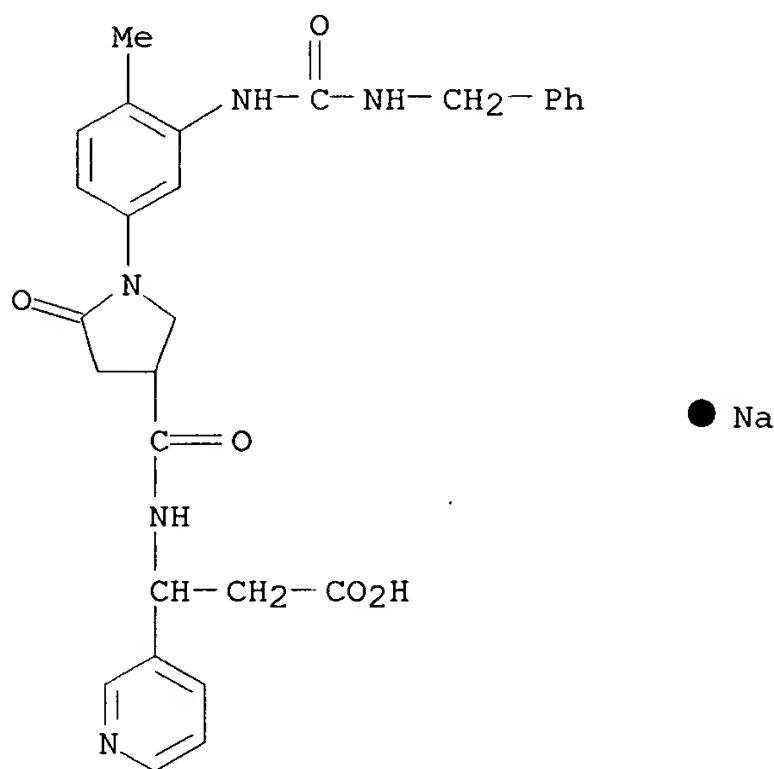
RN 345296-48-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-methoxyethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



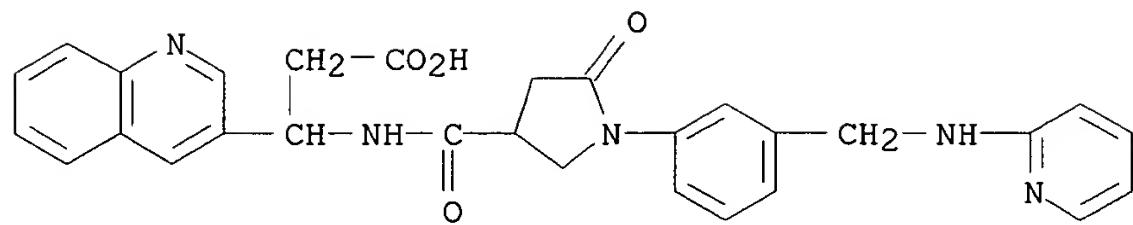
RN 345296-49-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[4-methyl-3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



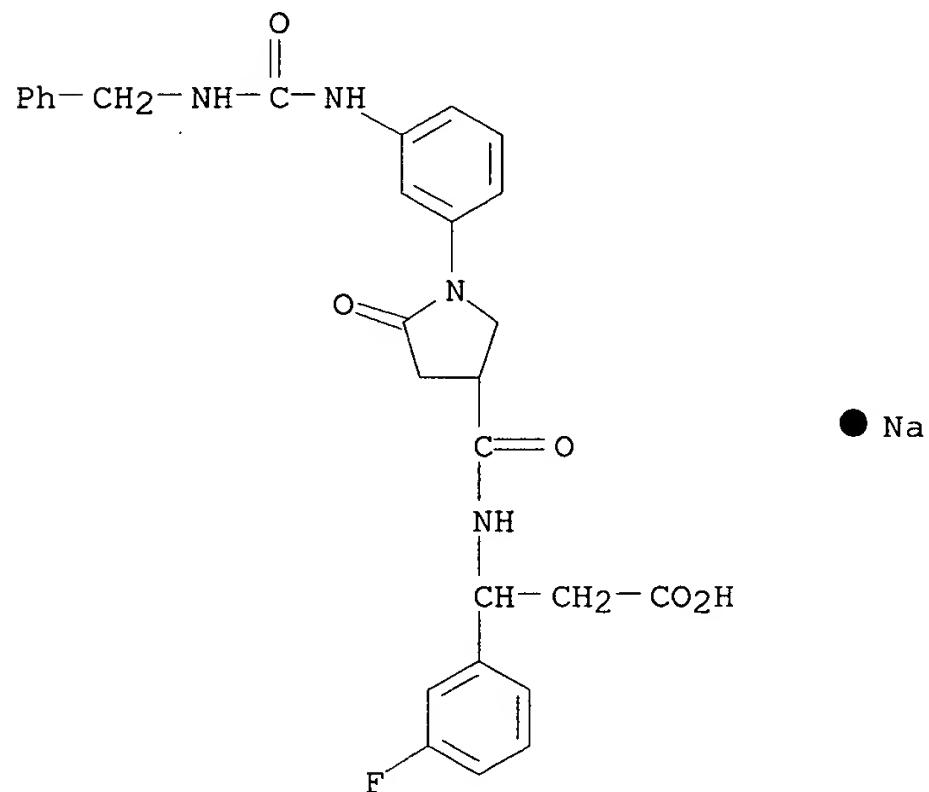
RN 345296-50-6 CAPLUS

CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



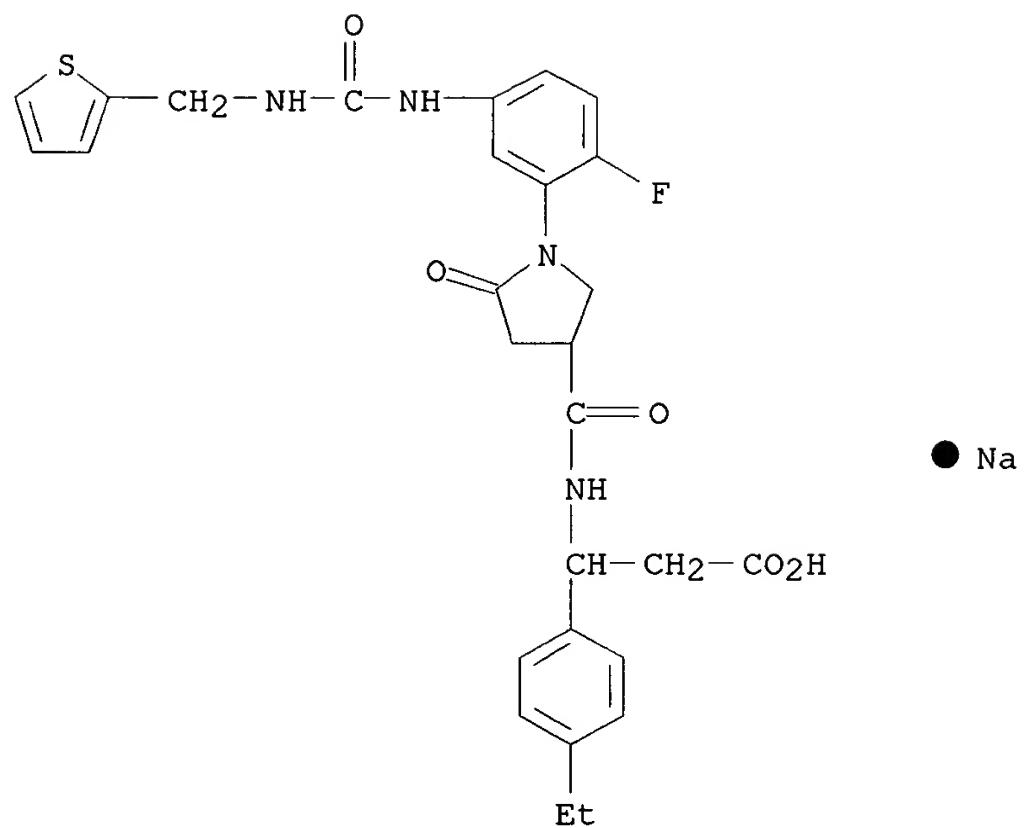
● Na

RN 345296-51-7 CAPLUS
 CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[5-oxo-1-[3-
 [[[phenylmethyl]amino]carbonyl]amino]phenyl]-3-
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-52-8 CAPLUS
 CN Benzenepropanoic acid, 4-ethyl-.beta.-[[[1-[2-fluoro-5-[[[(2-
 thienylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-
 pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



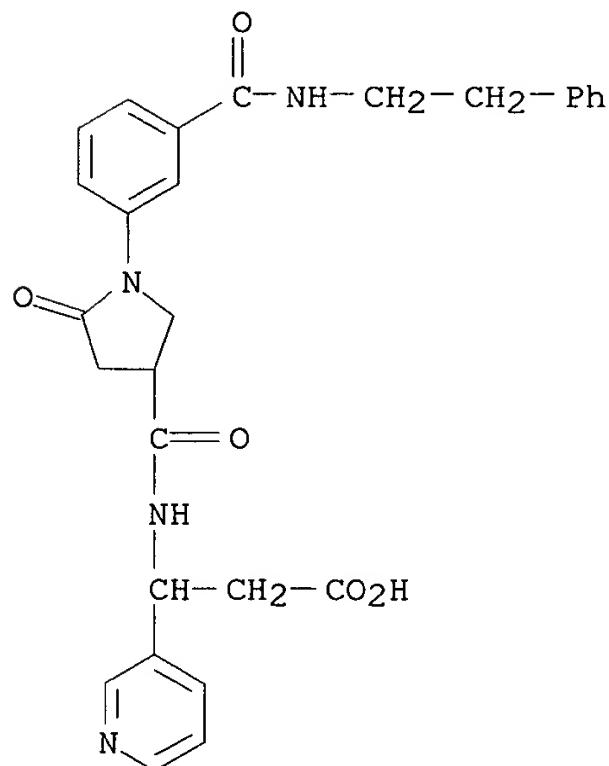
RN 345296-54-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-phenylethyl)amino]carbonyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

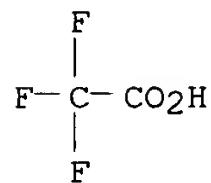
CM 1

CRN 345296-53-9

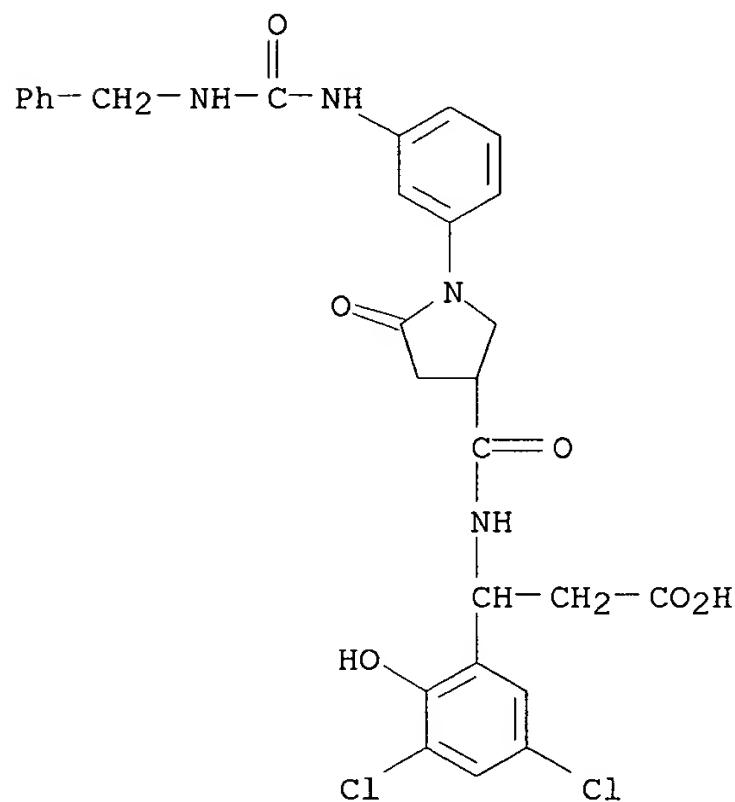
CMF C28 H28 N4 O5



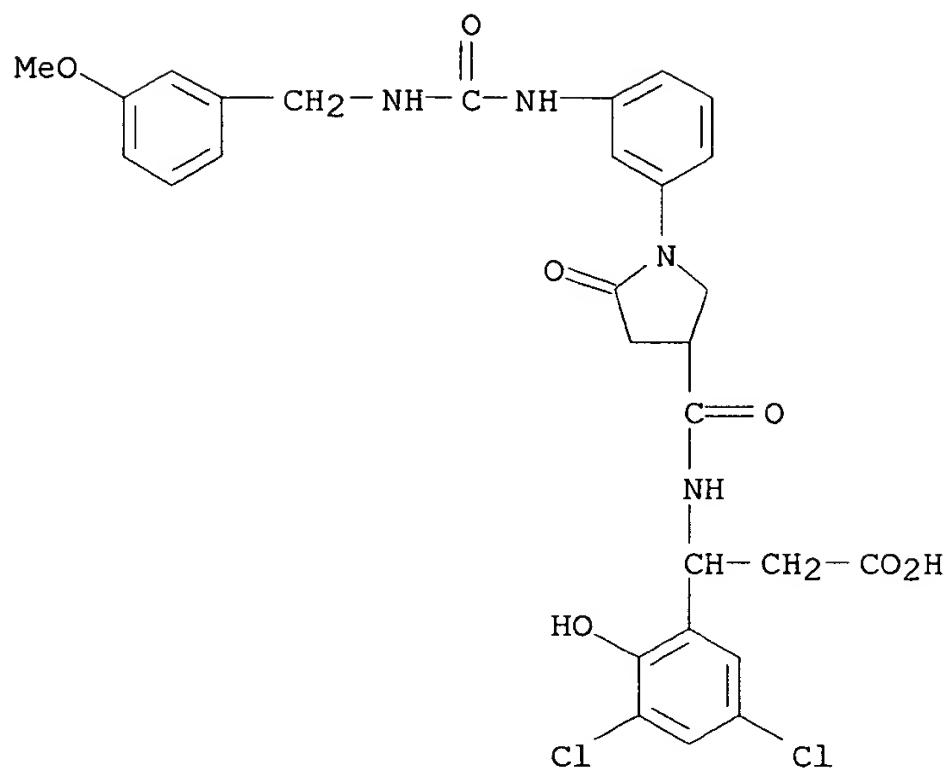
CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 345296-55-1 CAPLUS
 CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[5-oxo-1-[3-
 [[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
 pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

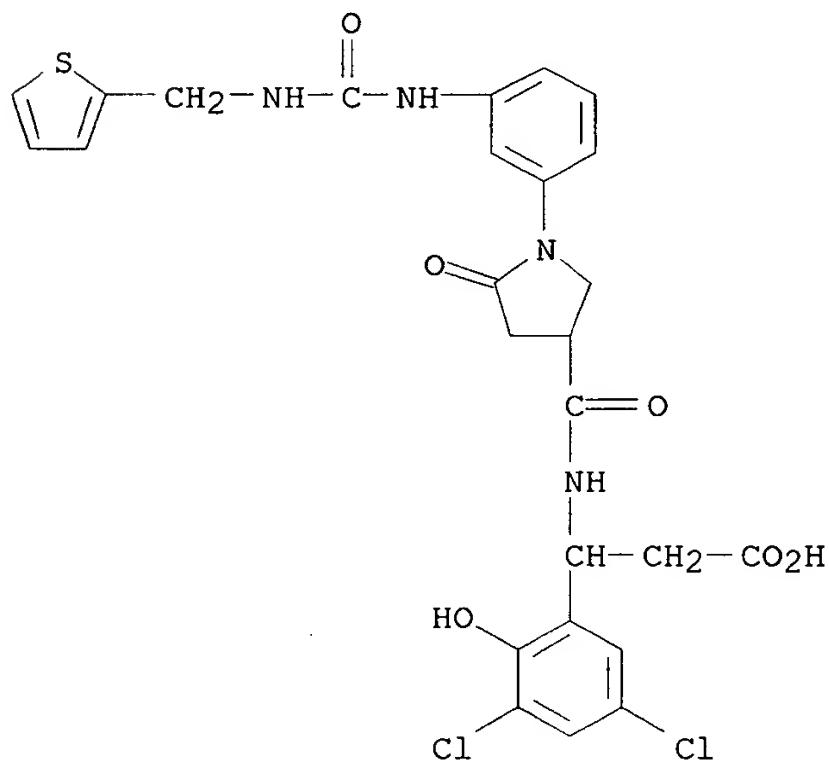


RN 345296-56-2 CAPLUS
 CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[1-[3-[[[[3-
 methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-
 pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



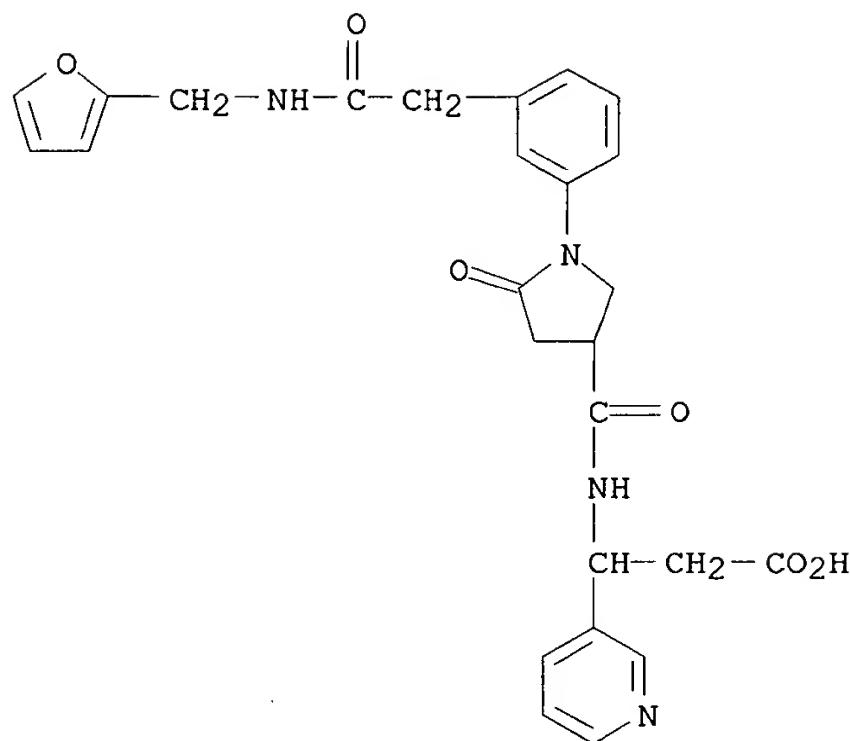
RN 345296-57-3 CAPLUS

CN Benzene propanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



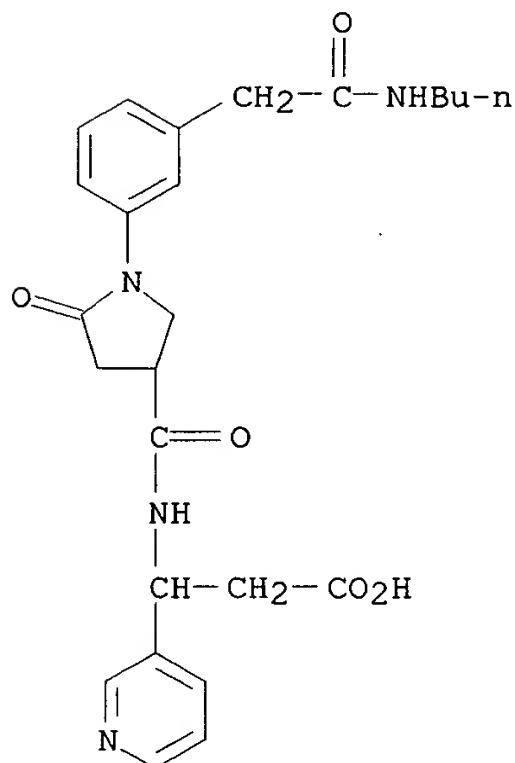
RN 345296-58-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[2-[(2-furylmethyl)amino]-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



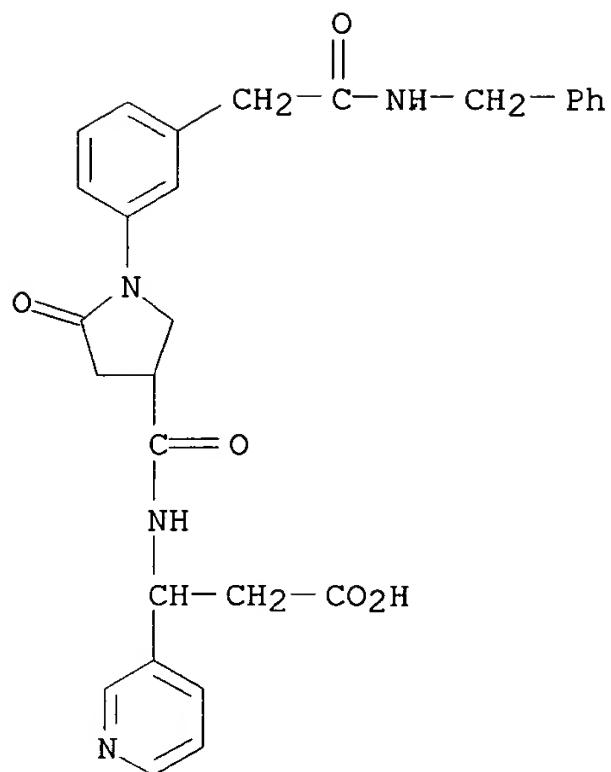
RN 345296-59-5 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[3-[2-(butylamino)-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



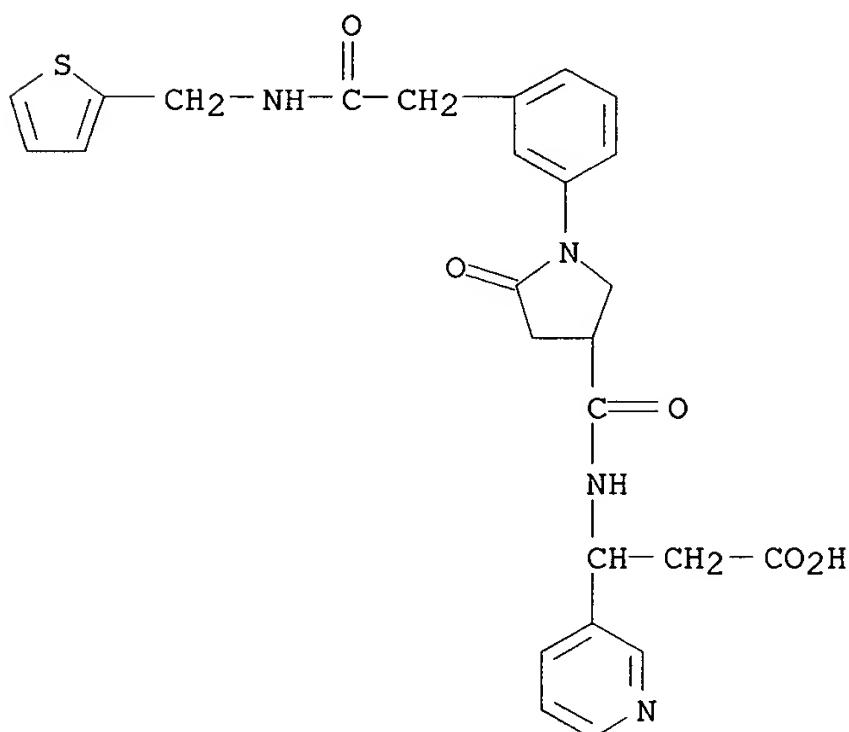
RN 345296-60-8 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[2-oxo-2-[(phenylmethyl)amino]ethyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



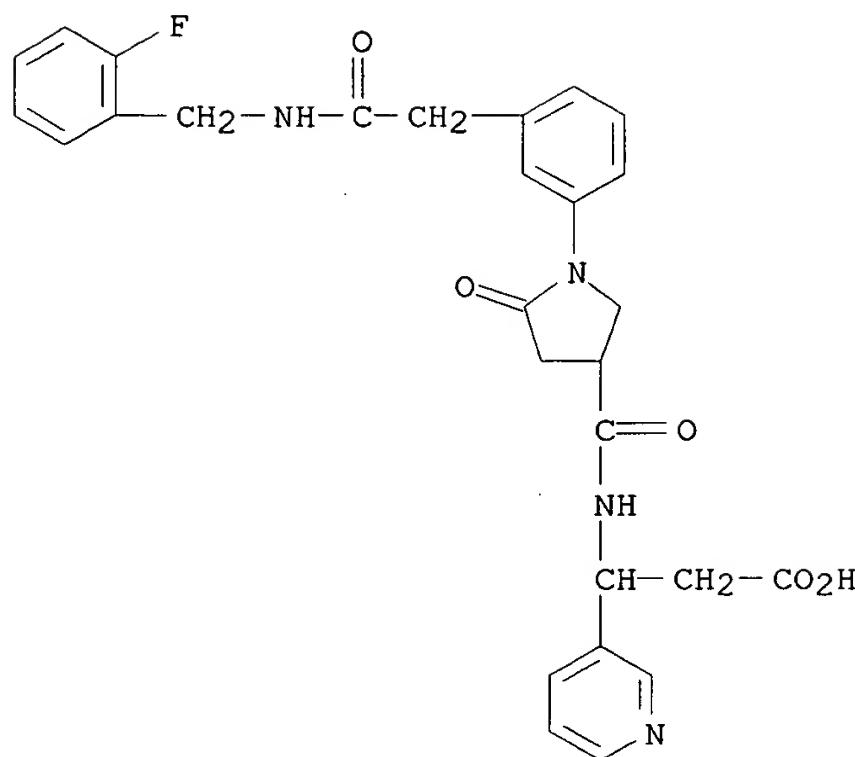
RN 345296-61-9 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI)
(CA INDEX NAME)



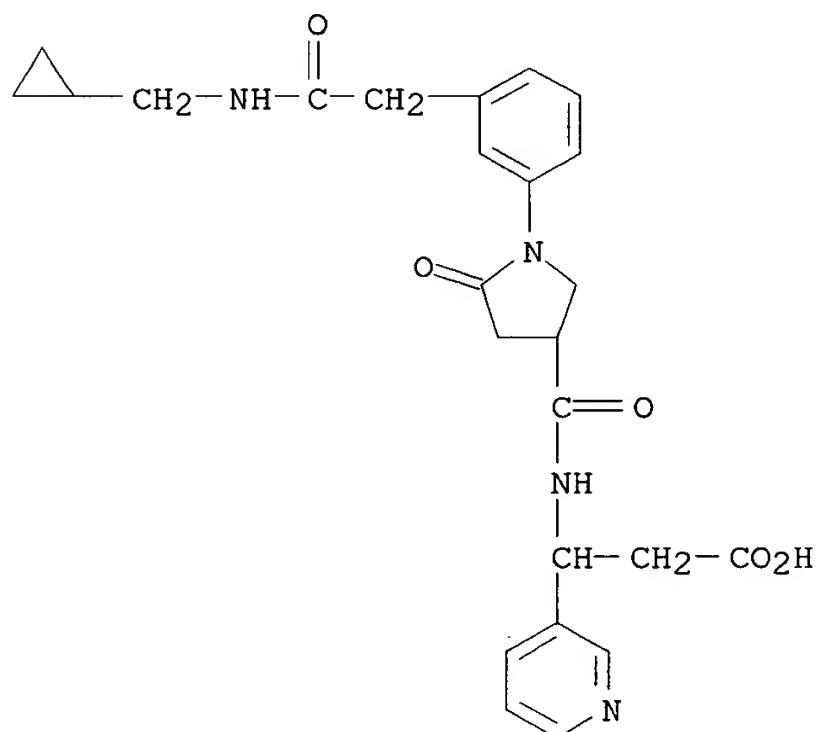
RN 345296-62-0 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[3-[2-[(2-fluorophenyl)methyl]amino]-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



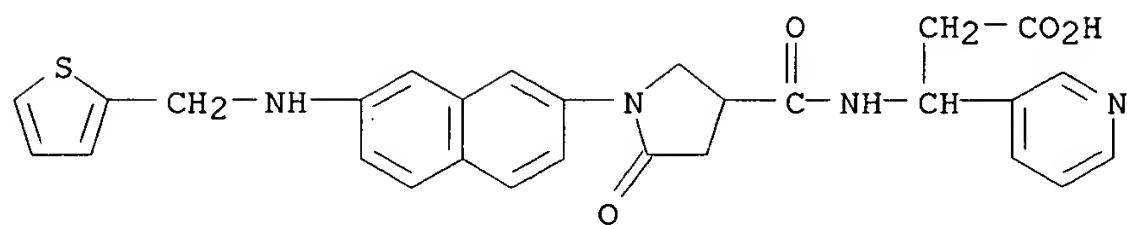
RN 345296-63-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[2-[(cyclopropylmethyl)amino]-2-oxoethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-64-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[7-[(2-thienylmethyl)amino]-2-naphthalenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



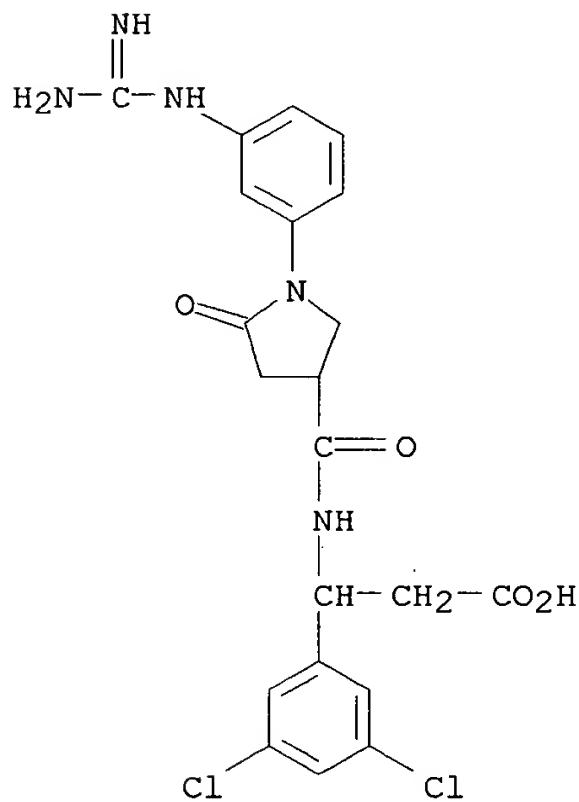
RN 345296-66-4 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[3-[(aminoiminomethyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-3,5-dichloro-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-65-3

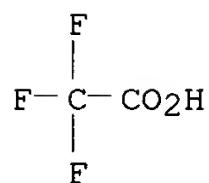
CMF C21 H21 Cl2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



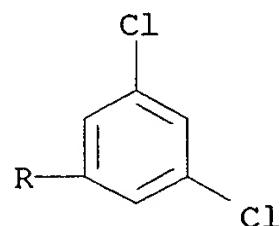
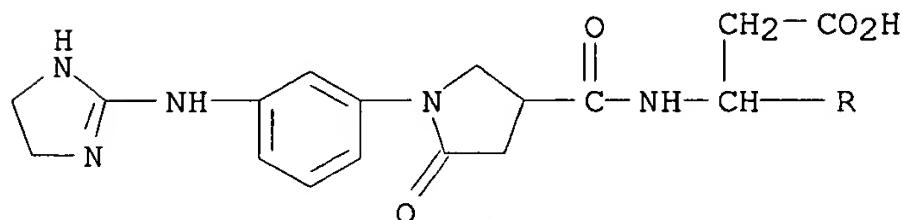
RN 345296-68-6 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-67-5

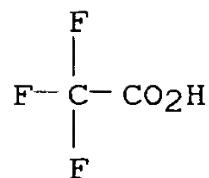
CMF C23 H23 Cl2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



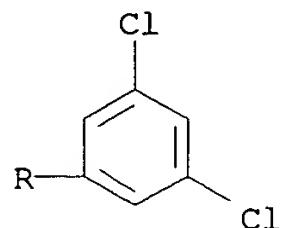
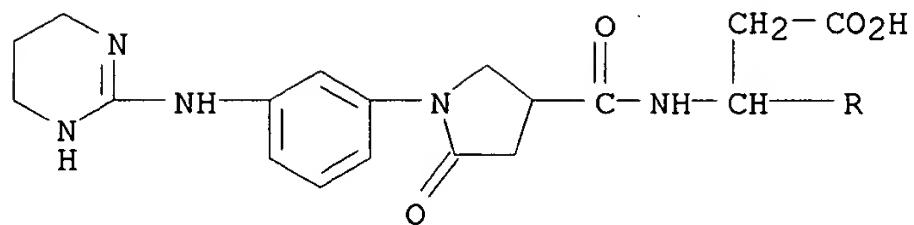
RN 345296-70-0 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-69-7

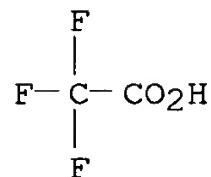
CMF C24 H25 Cl2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



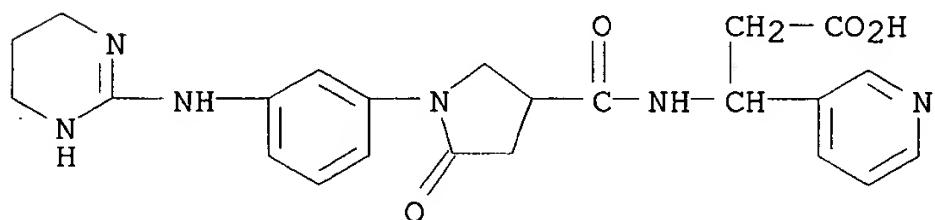
RN 345296-72-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-71-1

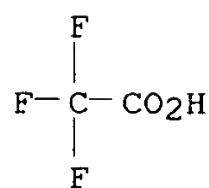
CMF C23 H26 N6 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



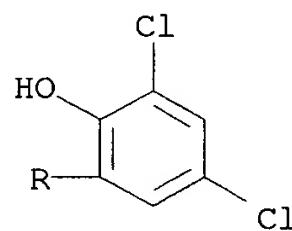
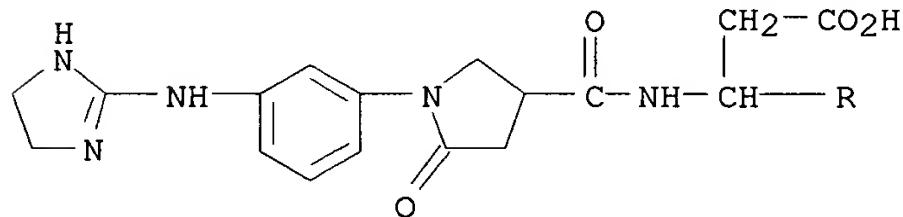
RN 345296-74-4 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-2-hydroxy-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-73-3

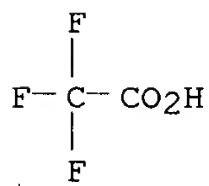
CMF C23 H23 Cl2 N5 O5



CM 2

CRN 76-05-1

CMF C2 H F3 O2



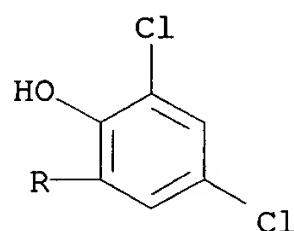
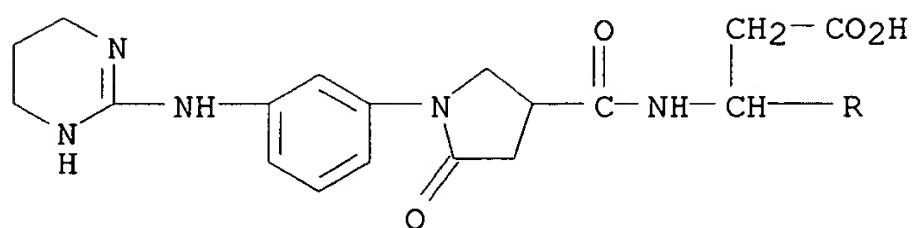
RN 345296-76-6 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-2-hydroxy-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

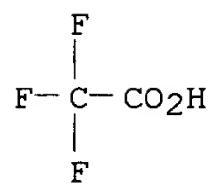
CM 1

CRN 345296-75-5

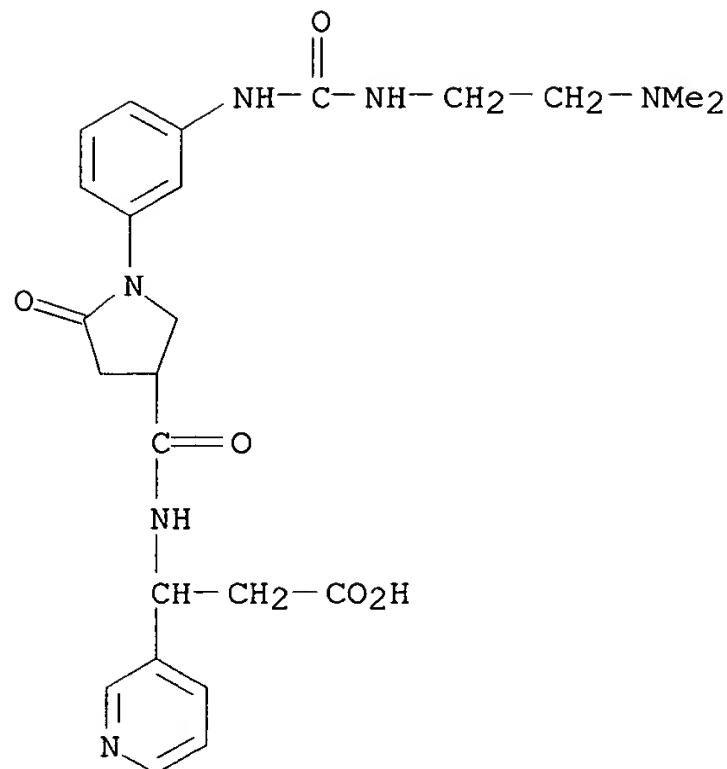
CMF C24 H25 Cl2 N5 O5



CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 345296-77-7 CAPLUS
 CN 3-Pyridinepropanoic acid, .beta.-[[[[1-[3-[[[[2-(dimethylamino)ethyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-79-9 CAPLUS

CN 3-Bu₂NP-2-pyridinopropanoic acid β - [[(3R)-5-oxo-1-[3-

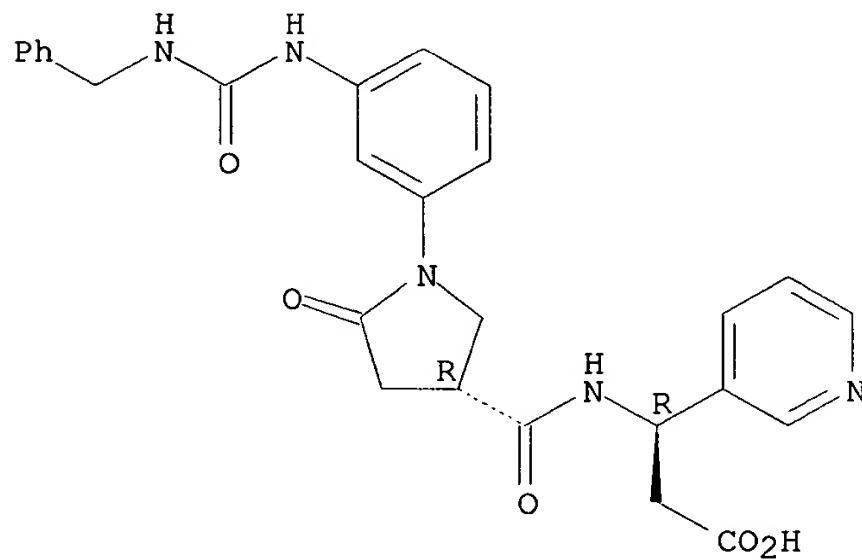
EN 3-(pyridinepropanoic acid, .beta.-[[[(5R)-5-OAc-1-(5-[(phenylmethyl)amino]carbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, (.beta.-R)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345296-78-8

CMF C27 H27 N5 O5

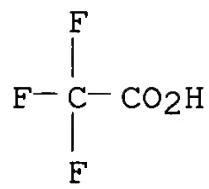
Absolute stereochemistry.



CM 2

CRN 76-05-1

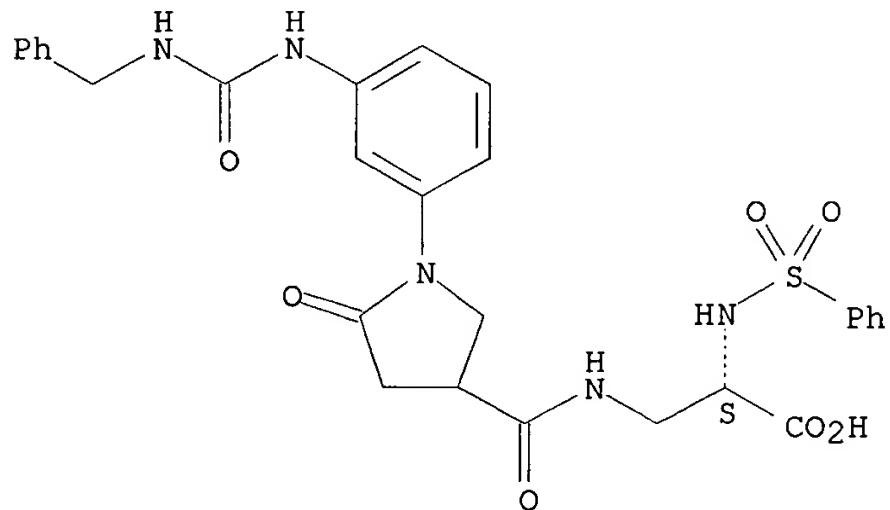
CMF C2 H F3 O2



RN 345296-81-3 CAPLUS

CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)-, monosodium salt (9CI) (CA INDEX NAME)

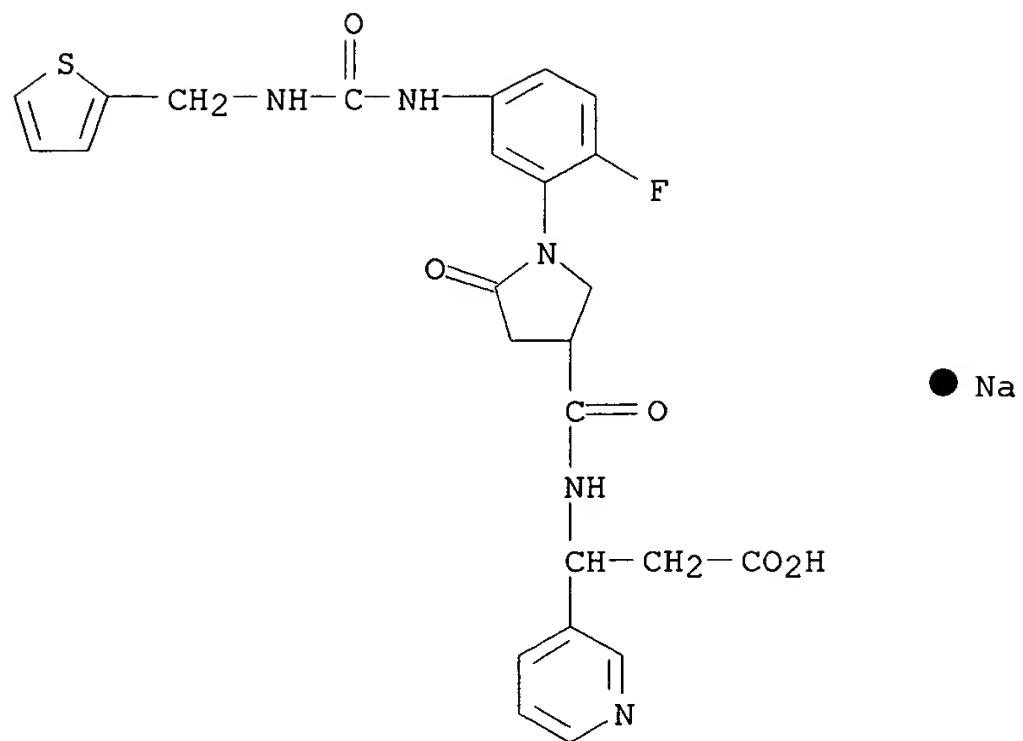
Absolute stereochemistry.



● Na

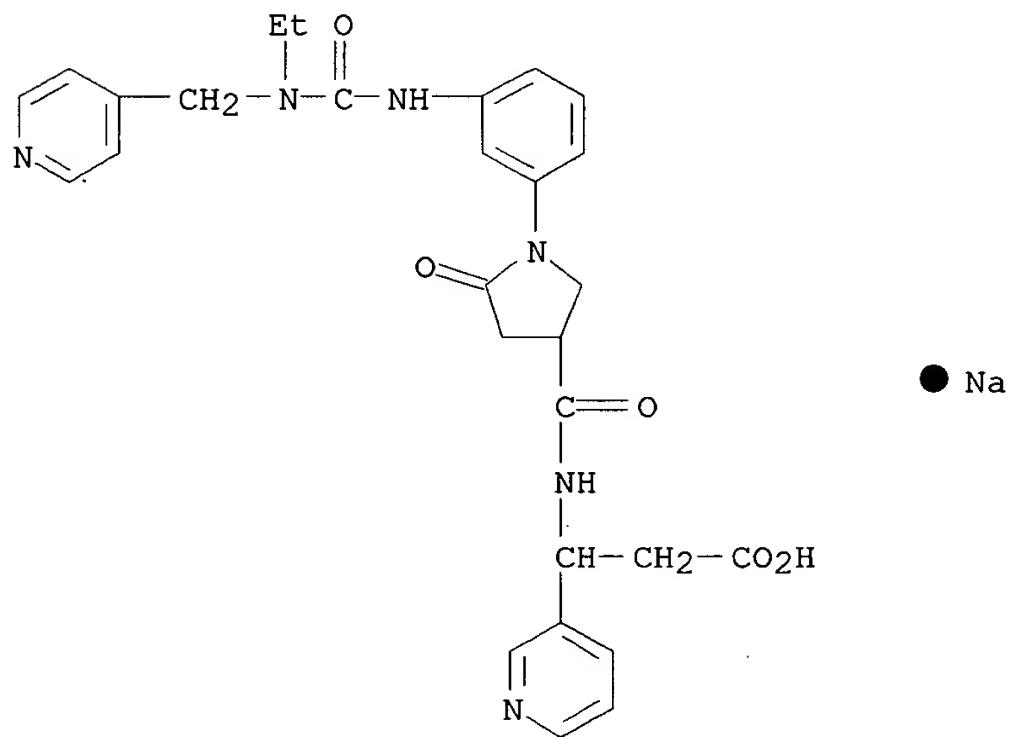
RN 345296-83-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[[1-[2-fluoro-5-[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



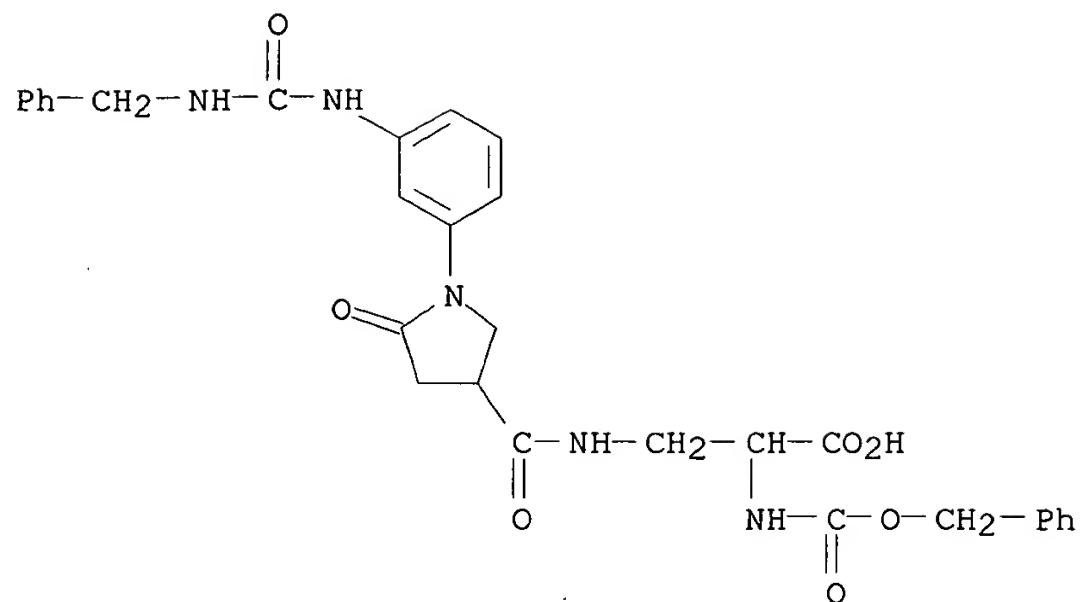
RN 345296-85-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-{[[1-[3-[[[ethyl(4-pyridinylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino}-, monosodium salt (9CI) (CA INDEX NAME)



RN 345296-87-9 CAPLUS

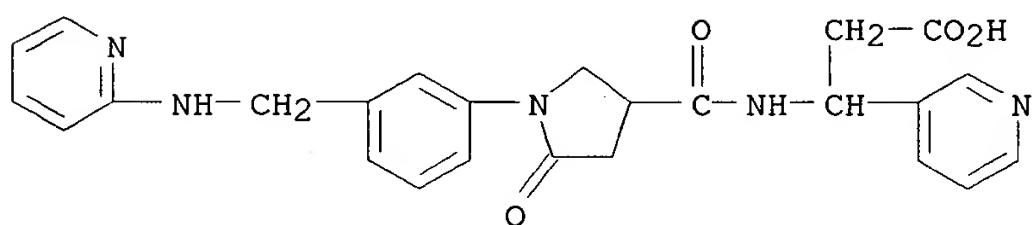
CN Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-[(phenylmethoxy)carbonyl]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-89-1 CAPLUS

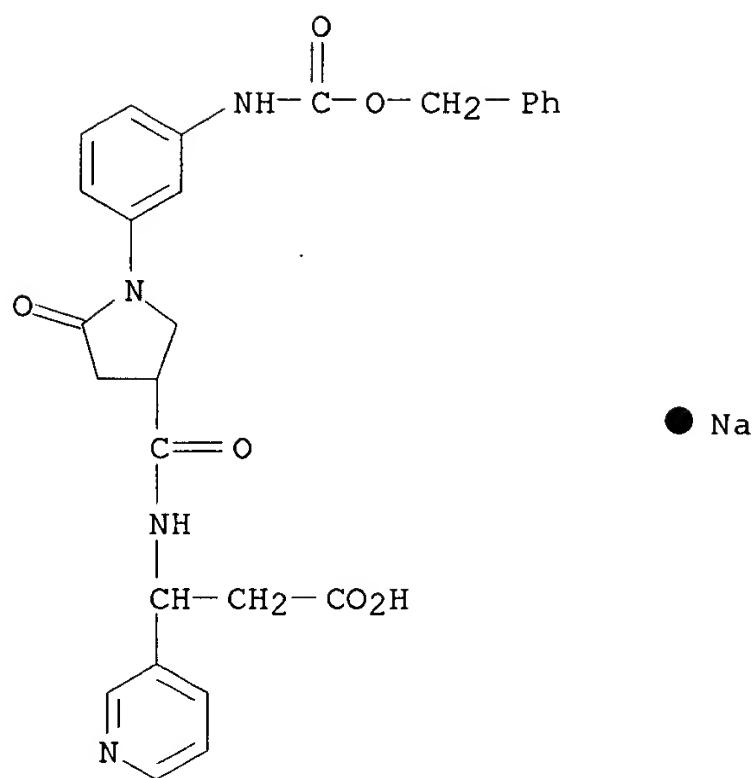
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



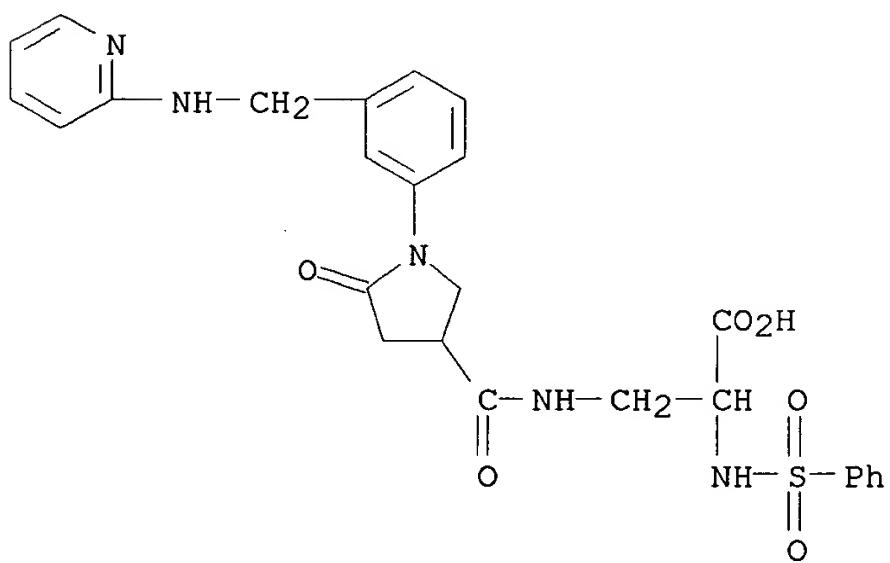
● Na

RN 345296-90-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(phenylmethoxy)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



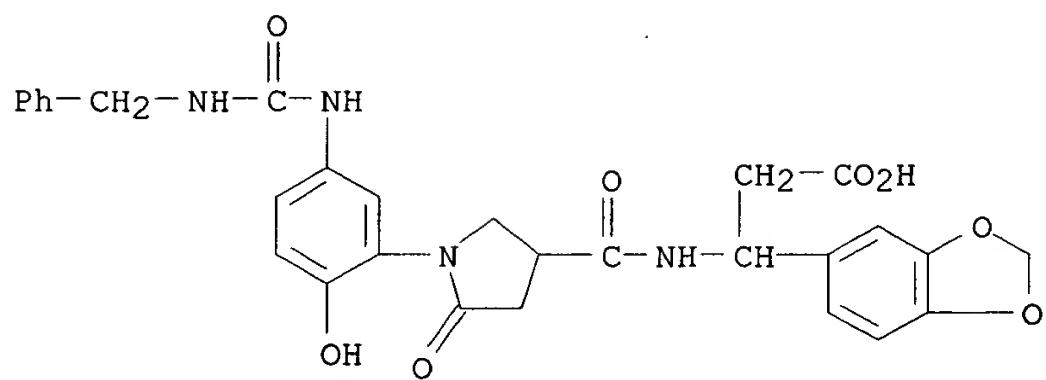
RN 345296-91-5 CAPLUS

CN Alanine, 3-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)-, monosodium salt (9CI)
(CA INDEX NAME)

● Na

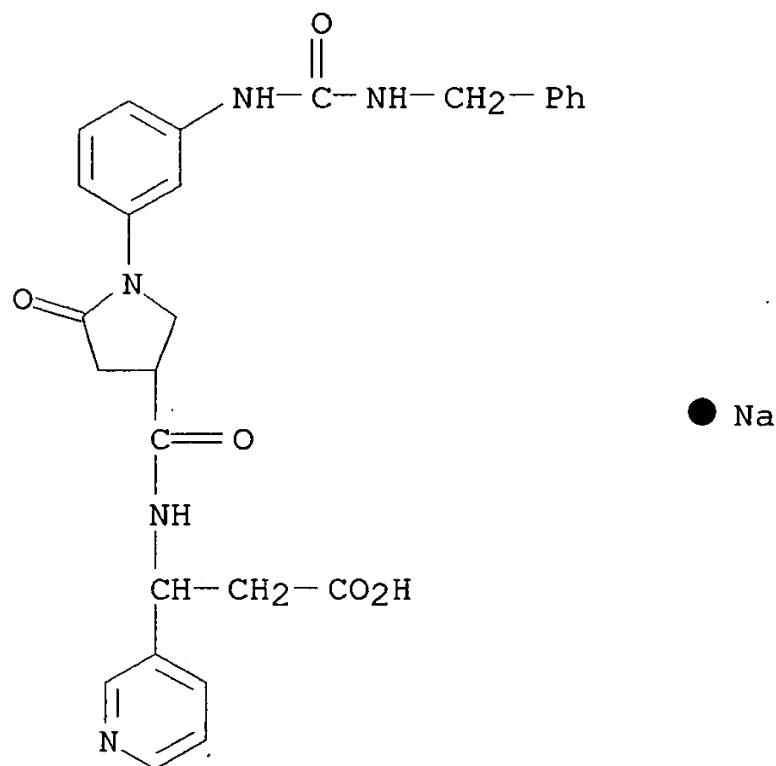
RN 345296-92-6 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[1-[2-hydroxy-5-[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



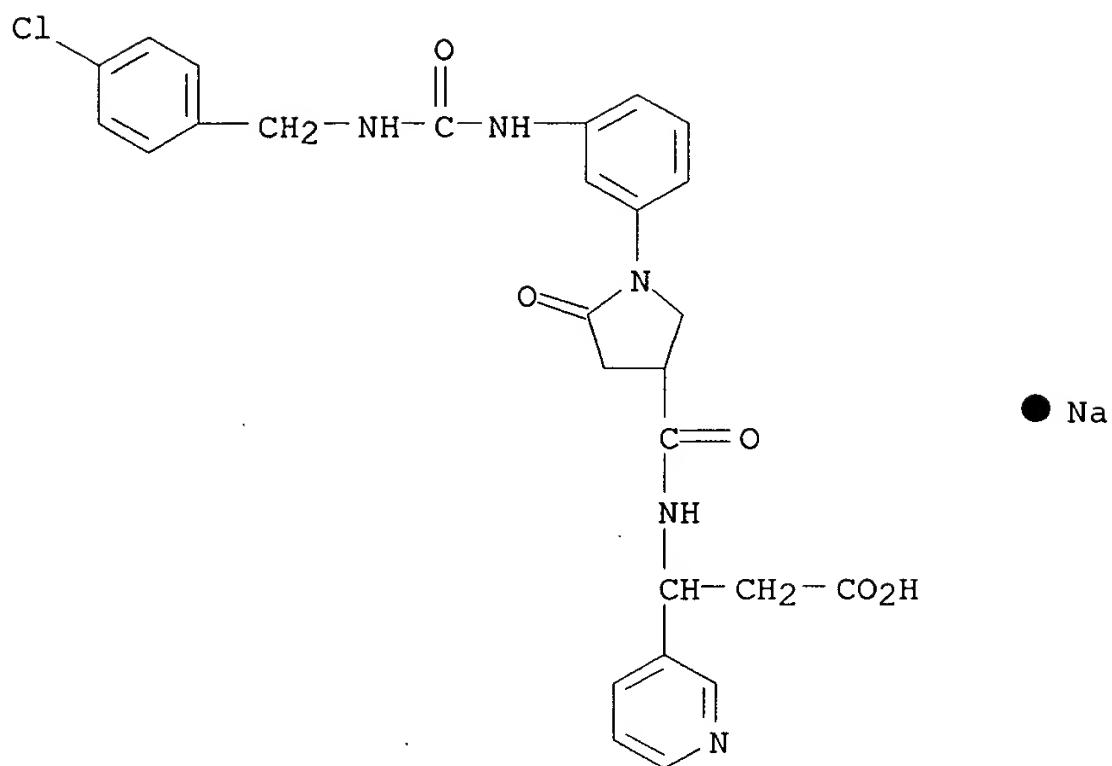
RN 345296-93-7 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



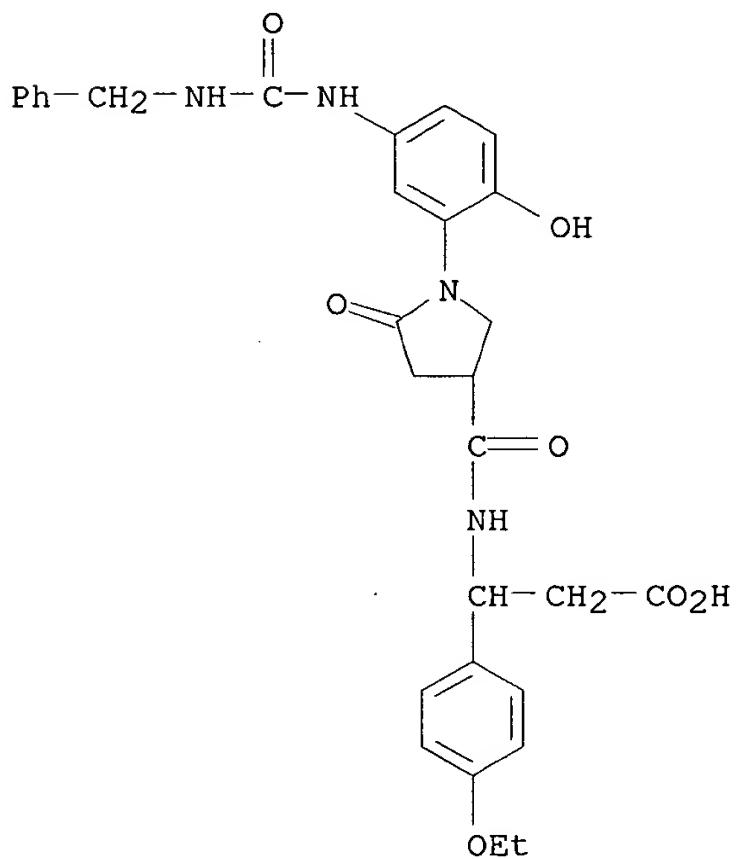
RN 345296-94-8 CAPLUS

CN 3-Pyridinepropanoic acid, β -[[[1-[3-[[[[4-chlorophenyl]methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



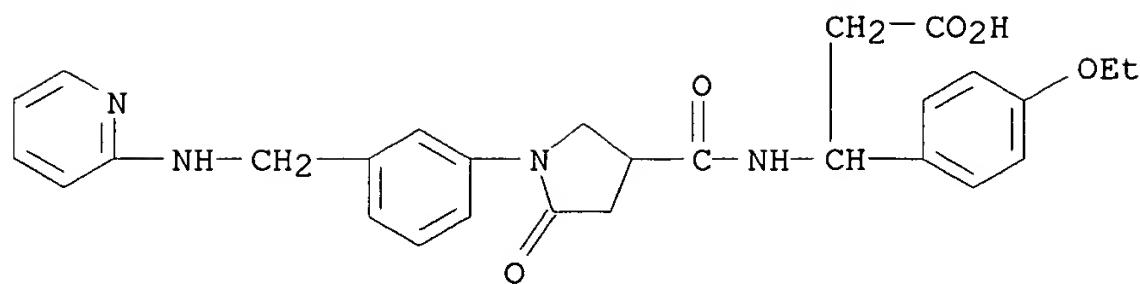
RN 345296-95-9 CAPLUS

CN Benzenepropanoic acid, 4-ethoxy-.beta.-[[[1-[2-hydroxy-5-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345296-96-0 CAPLUS

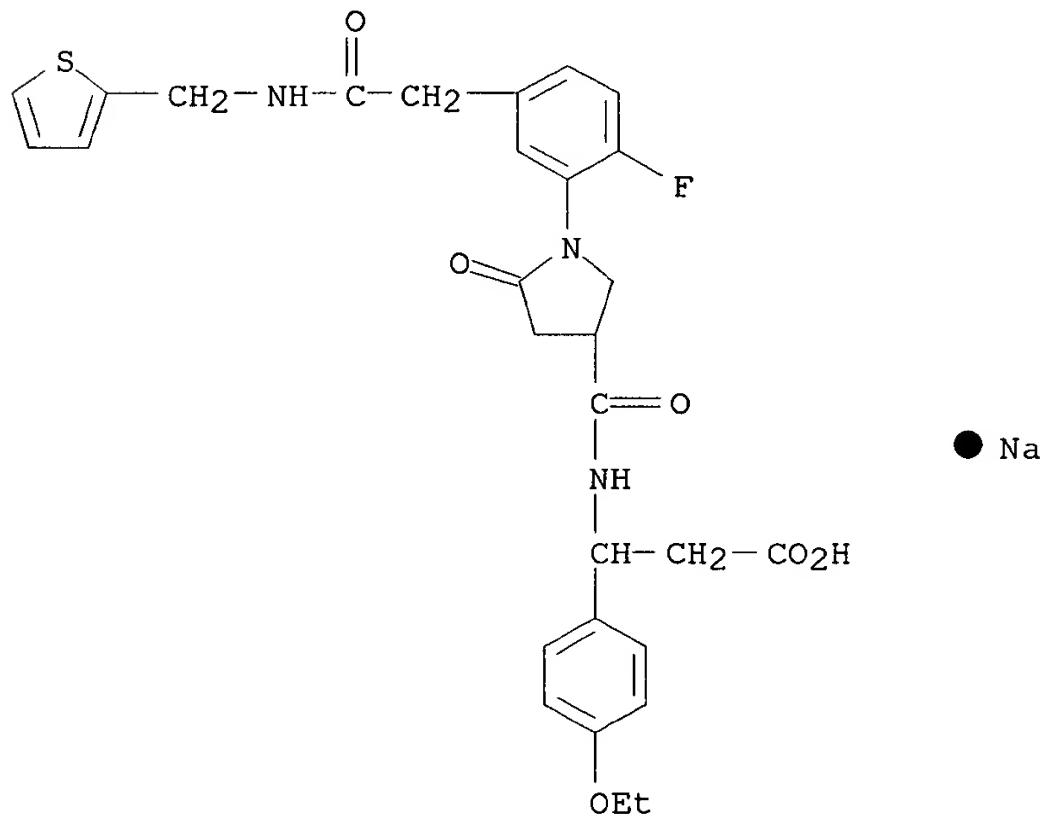
CN Benzenepropanoic acid, 4-ethoxy-.beta.-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345296-97-1 CAPLUS

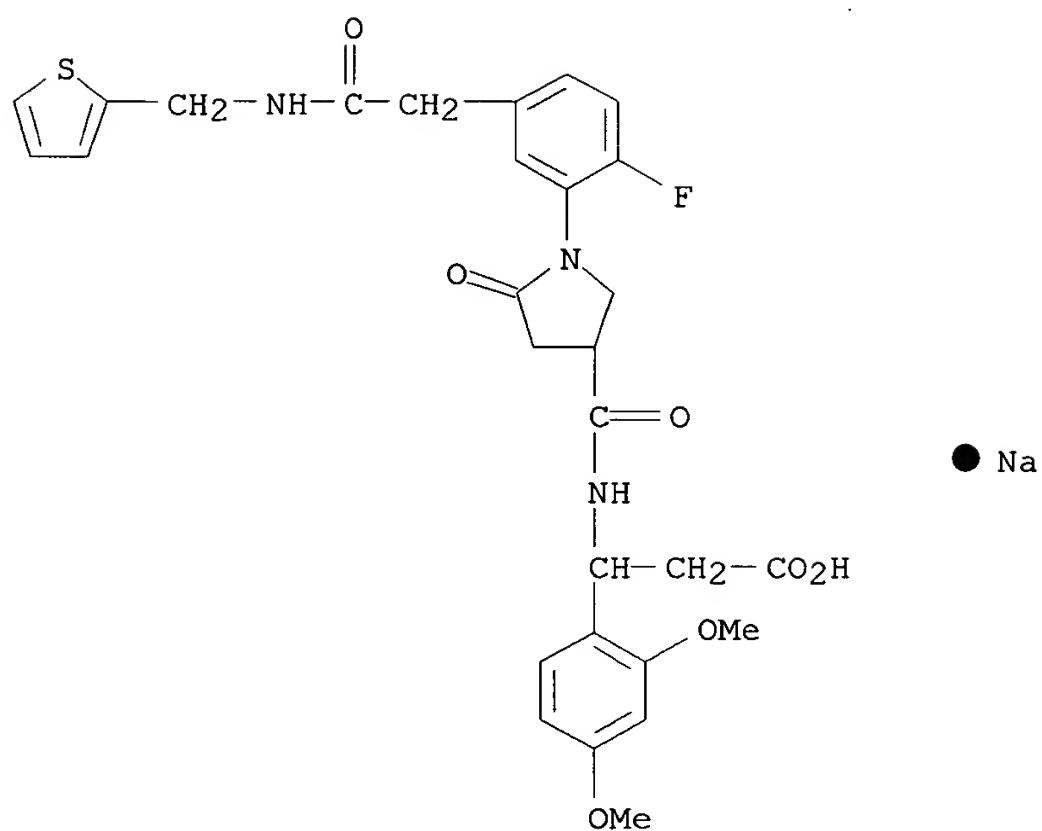
CN Benzenepropanoic acid, 4-ethoxy-.beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

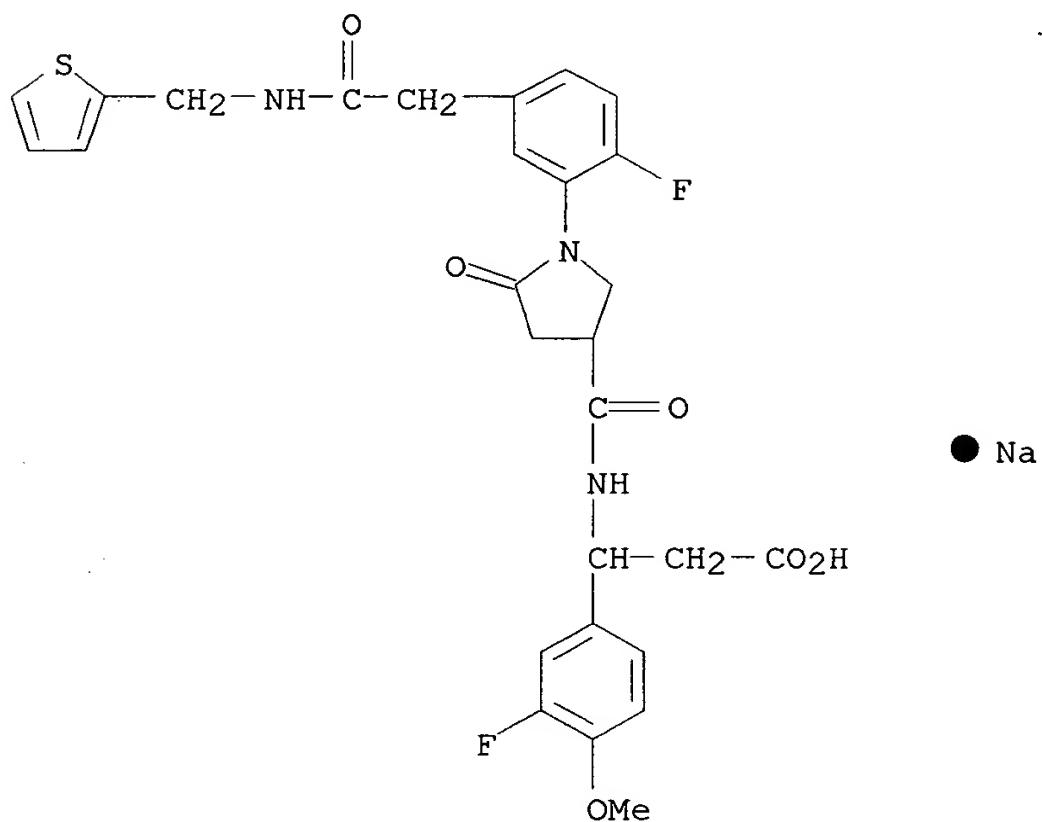
RN 345296-98-2 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-2,4-dimethoxy-, monosodium salt (9CI) (CA INDEX NAME)



RN 345296-99-3 CAPLUS

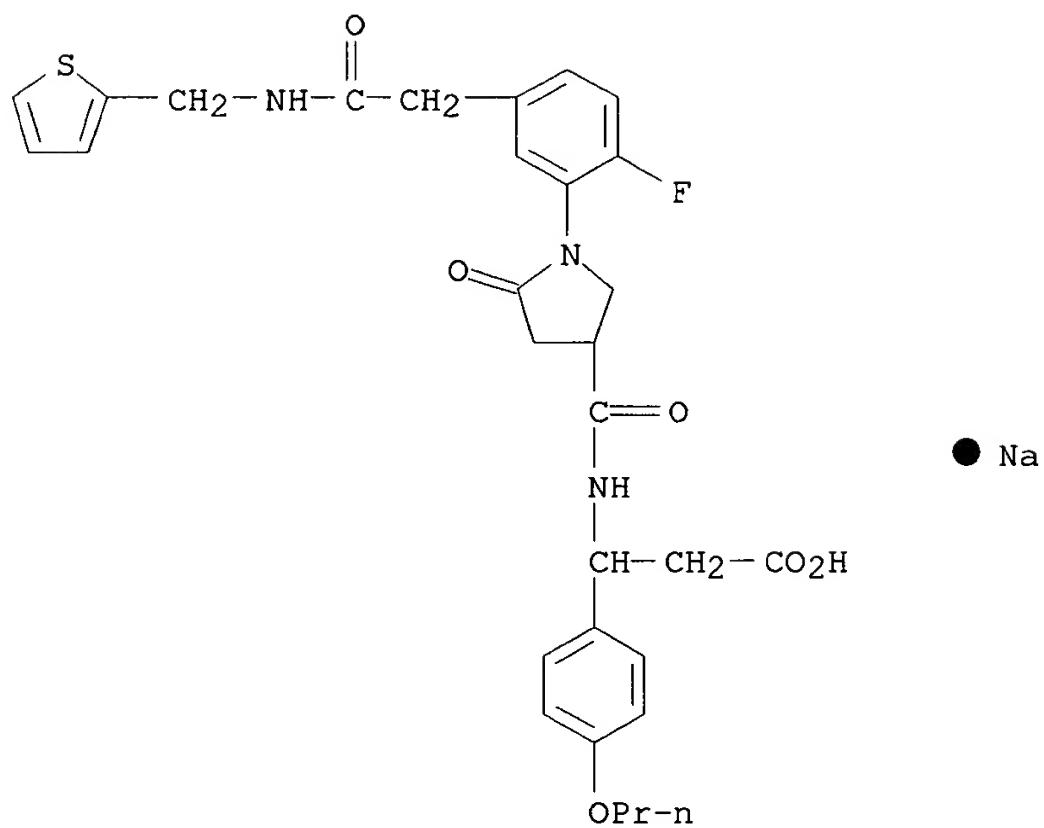
CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-4-methoxy-, monosodium salt (9CI) (CA INDEX NAME)



RN 345297-00-9 CAPLUS

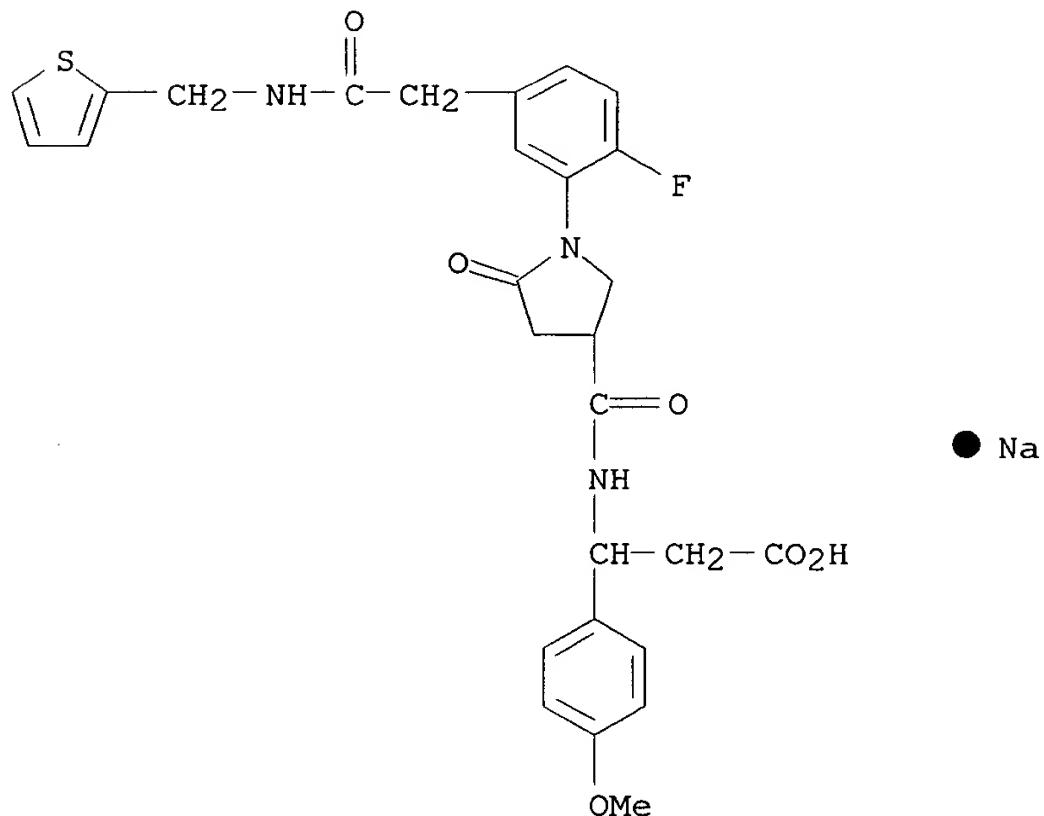
CN Benzenepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-4-

propoxy-, monosodium salt (9CI) (CA INDEX NAME)



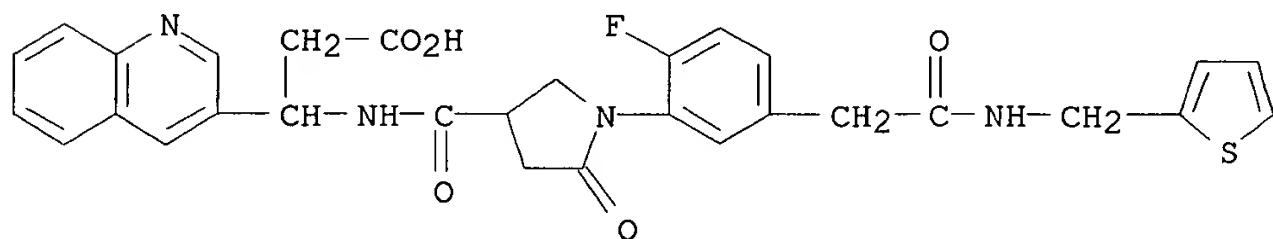
RN 345297-01-0 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-4-methoxy-, monosodium salt (9CI) (CA INDEX NAME)



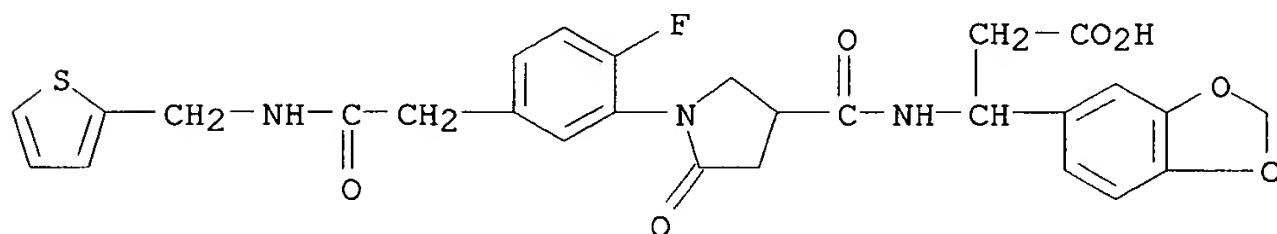
RN 345297-02-1 CAPLUS

CN 3-Quinolinepropanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)



RN 345297-03-2 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[1-[2-fluoro-5-[2-oxo-2-[(2-thienylmethyl)amino]ethyl]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

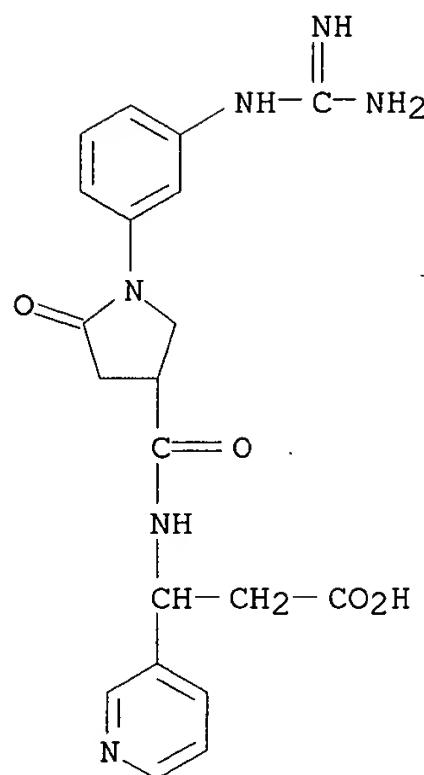
RN 345297-05-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(aminoiminomethyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345297-04-3

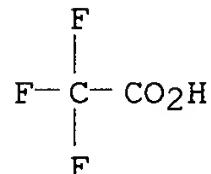
CMF C20 H22 N6 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



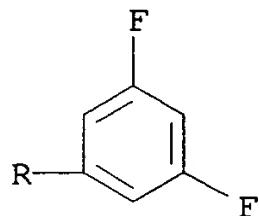
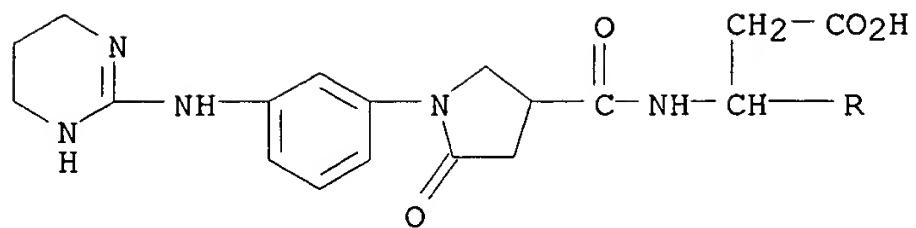
RN 345297-07-6 CAPLUS

CN Benzene propanoic acid, 3,5-difluoro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 345297-06-5

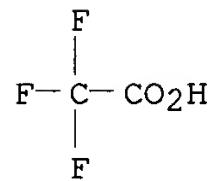
CMF C24 H25 F2 N5 O4



CM 2

CRN 76-05-1

CMF C2 H F3 O2



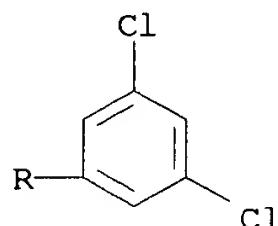
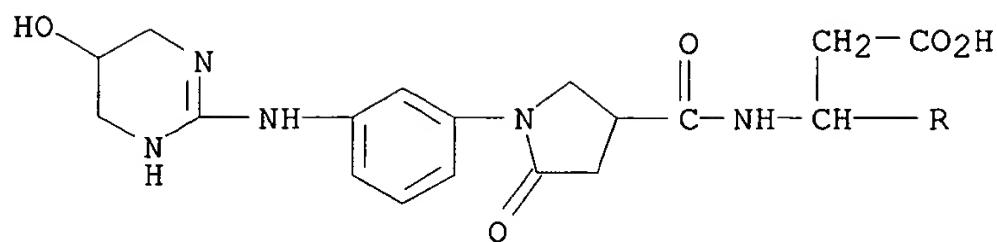
RN 345297-09-8 CAPLUS

CN Benzene propanoic acid, 3,5-dichloro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 345297-08-7

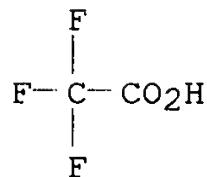
CMF C24 H25 Cl2 N5 O5



CM 2

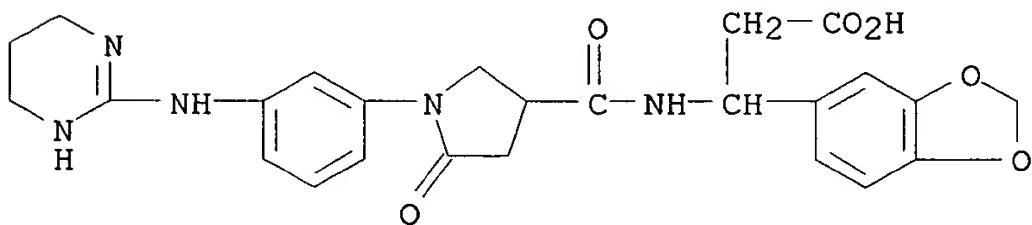
CRN 76-05-1

CMF C2 H F3 O2



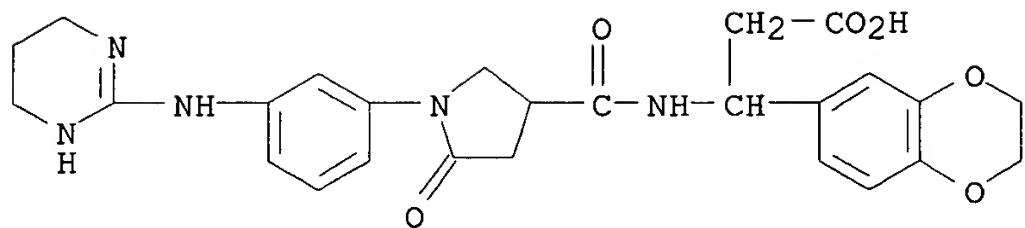
RN 345297-10-1 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)



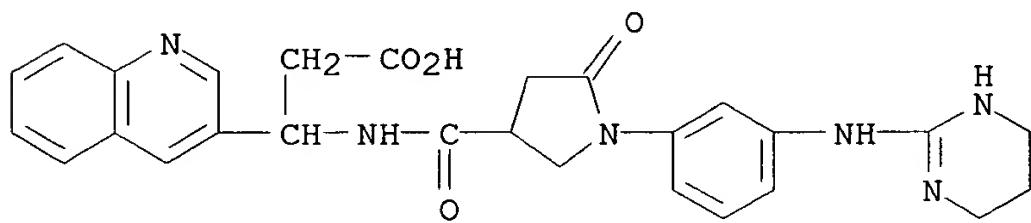
RN 345297-11-2 CAPLUS

CN 1,4-Benzodioxin-6-propanoic acid, 2,3-dihydro-.beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)



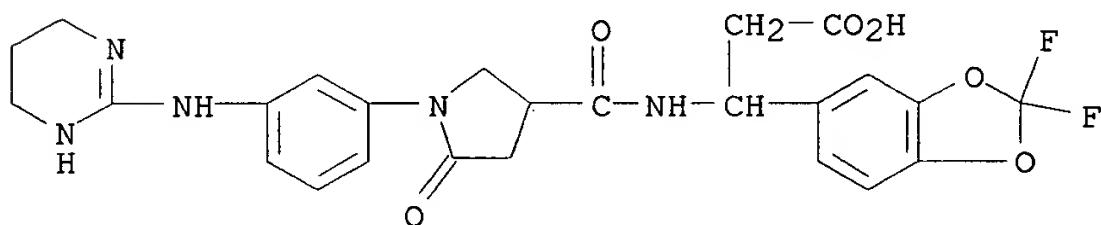
RN 345297-12-3 CAPLUS

CN 3-Quinolinepropanoic acid, .beta.-[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



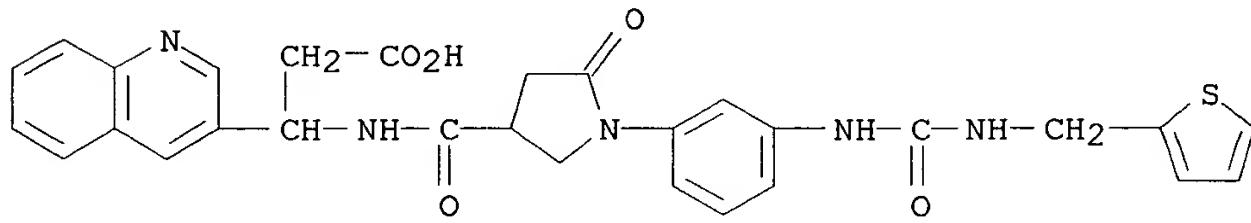
RN 345297-13-4 CAPLUS

CN 1,3-Benzodioxole-5-propanoic acid, 2,2-difluoro-.beta.-[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-14-5 CAPLUS

CN 3-Quinolinepropanoic acid, .beta.-[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

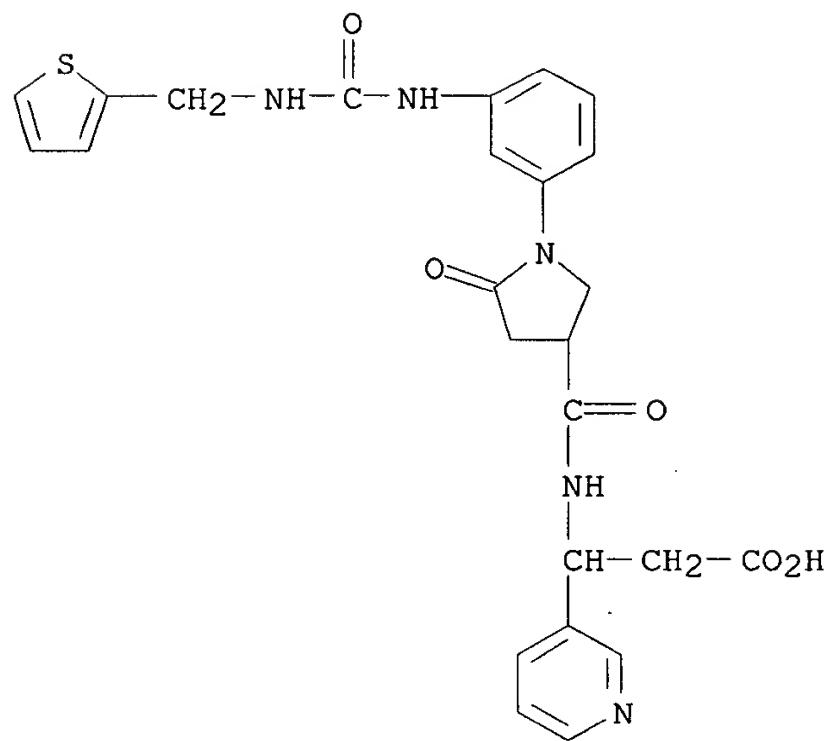


● Na

RN 345297-15-6 CAPLUS

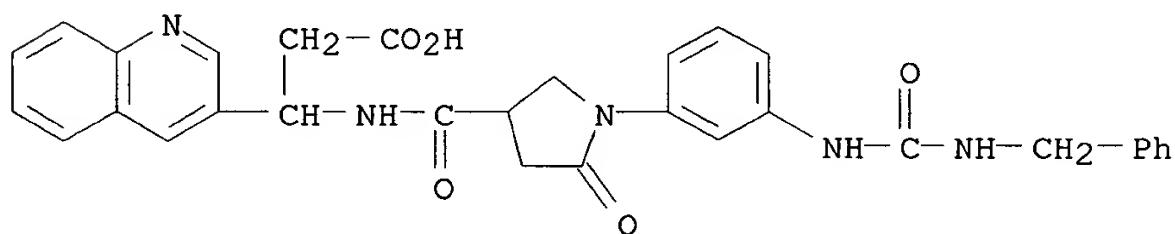
CN 3-Pyridinepropanoic acid, .beta.-[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-

(9CI) (CA INDEX NAME)



RN 345297-16-7 CAPLUS

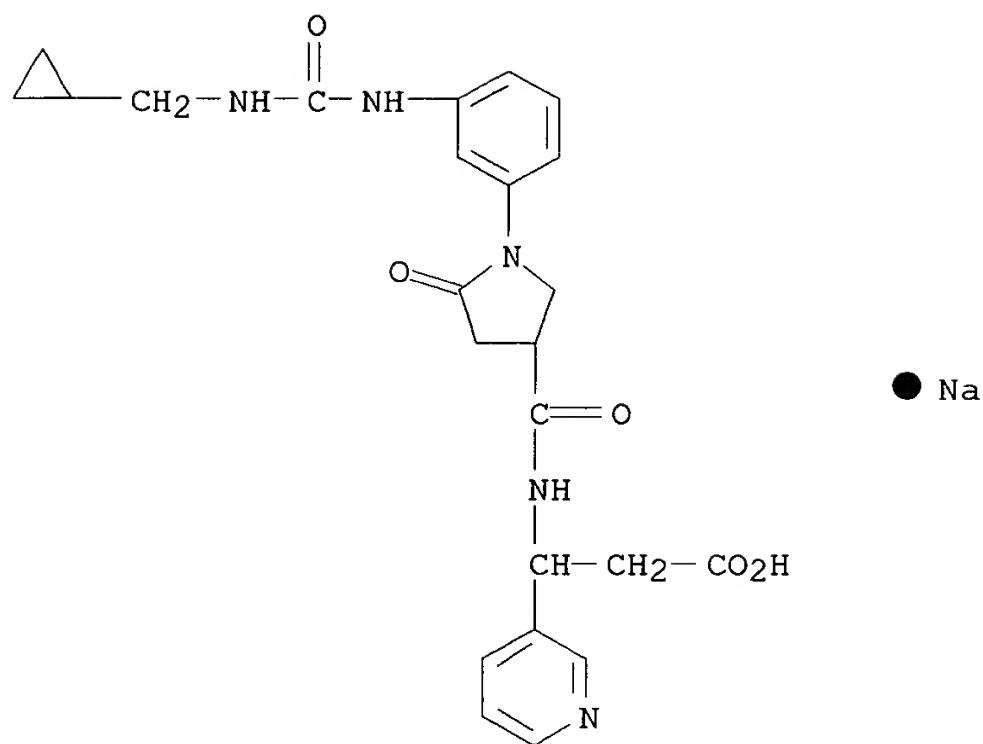
CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

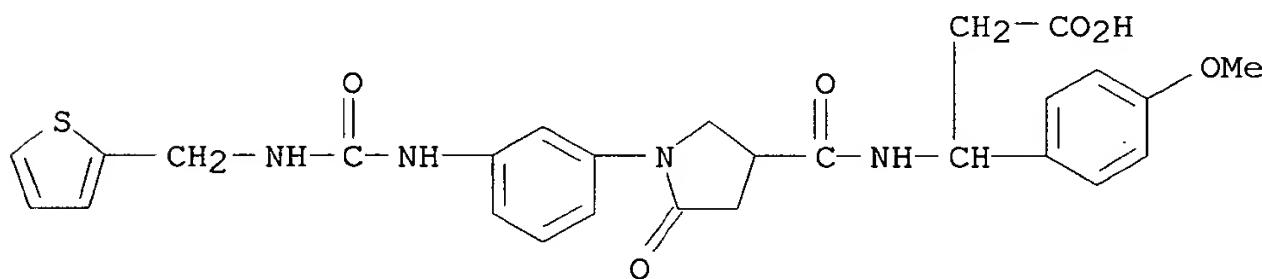
RN 345297-17-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(cyclopropylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



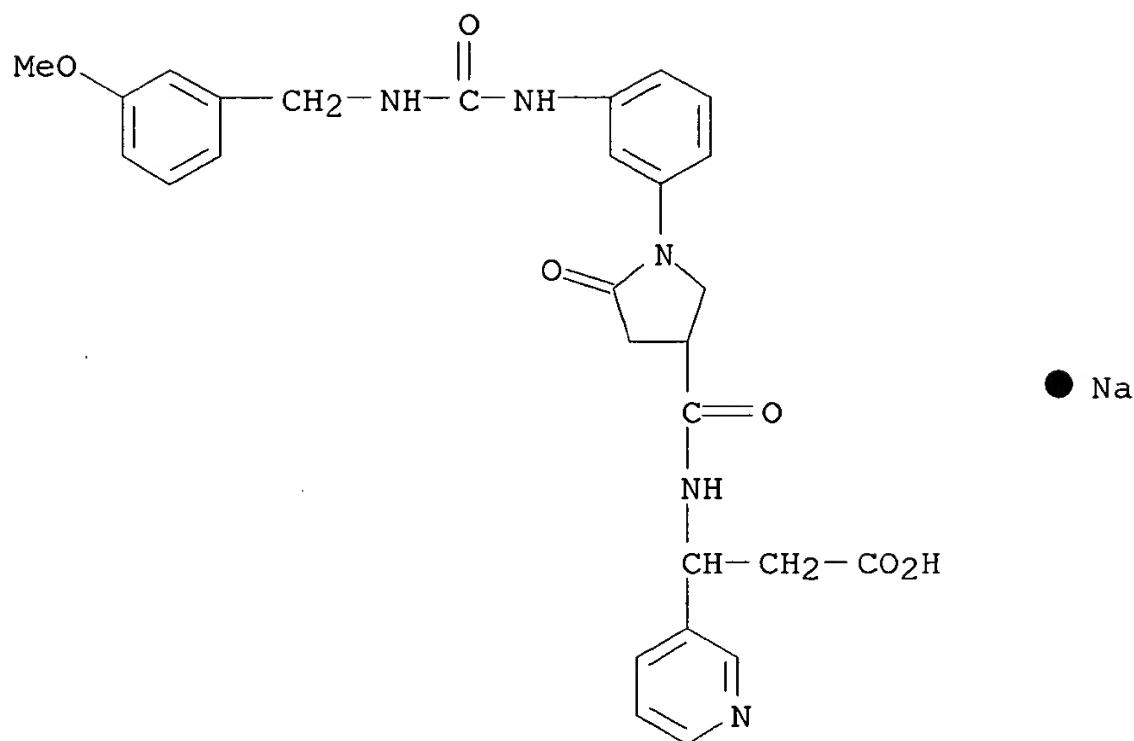
RN 345297-18-9 CAPLUS

CN Benzenepropanoic acid, 4-methoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



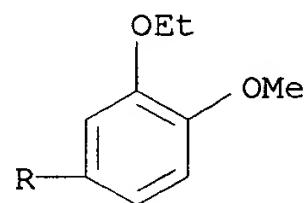
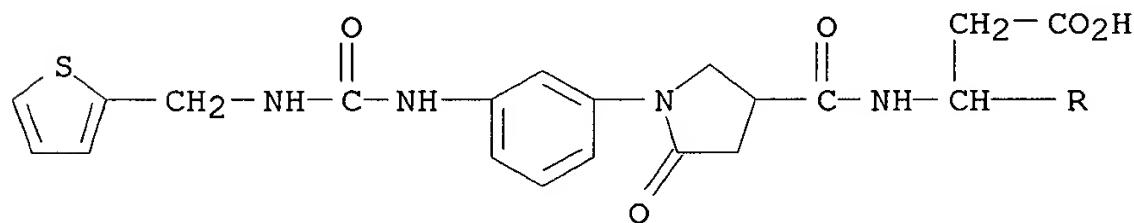
RN 345297-19-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[3-methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



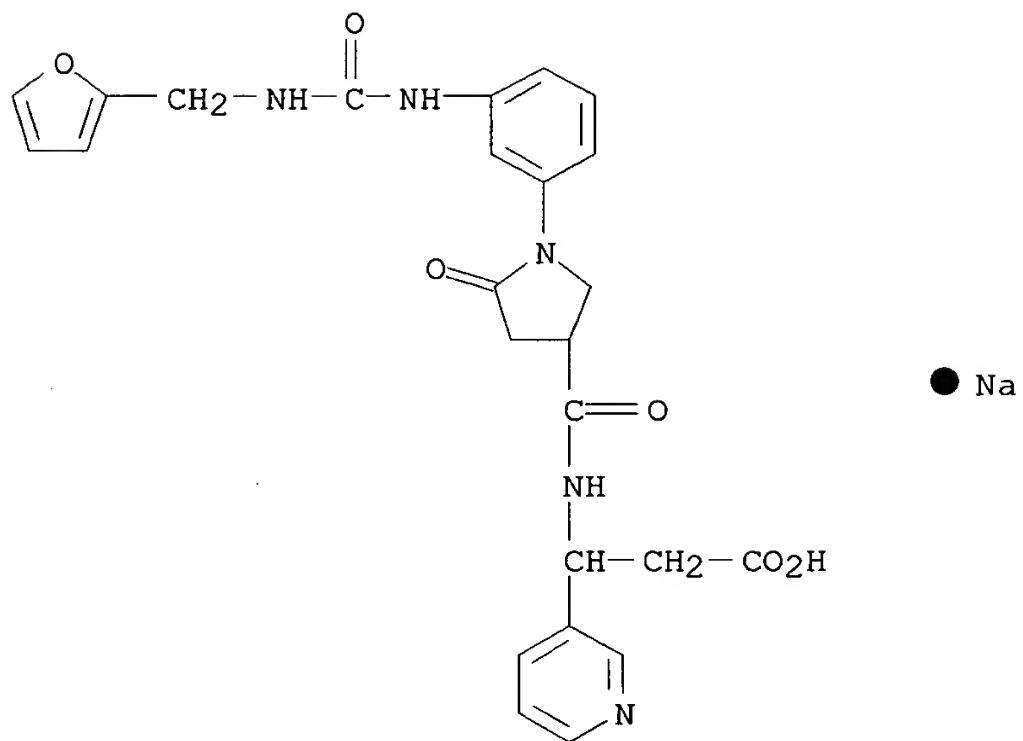
RN 345297-20-3 CAPLUS

CN Benzenepropanoic acid, 3-ethoxy-4-methoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-(9CI) (CA INDEX NAME)



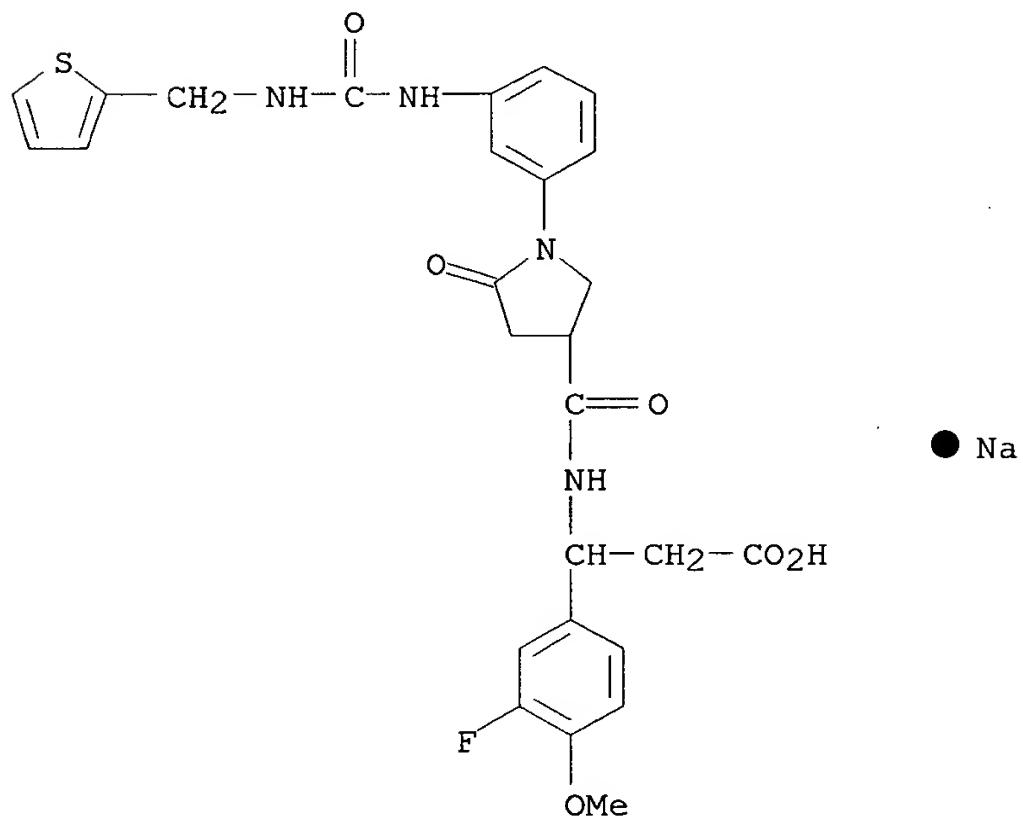
RN 345297-21-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2-furanyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



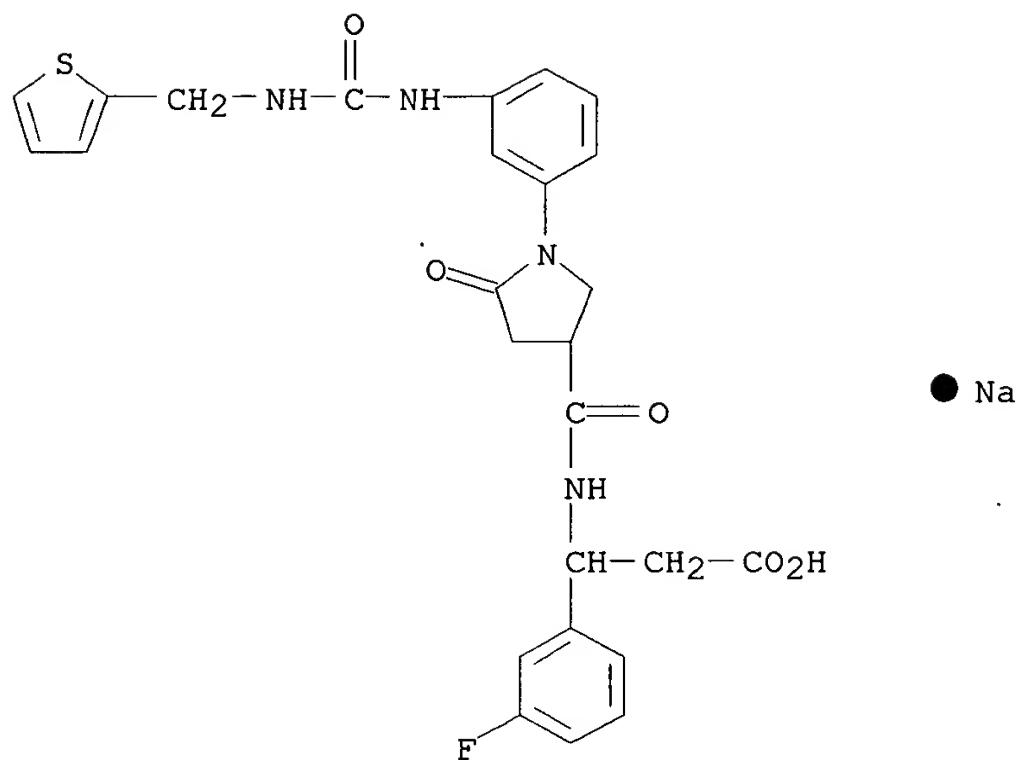
RN 345297-22-5 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-4-methoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



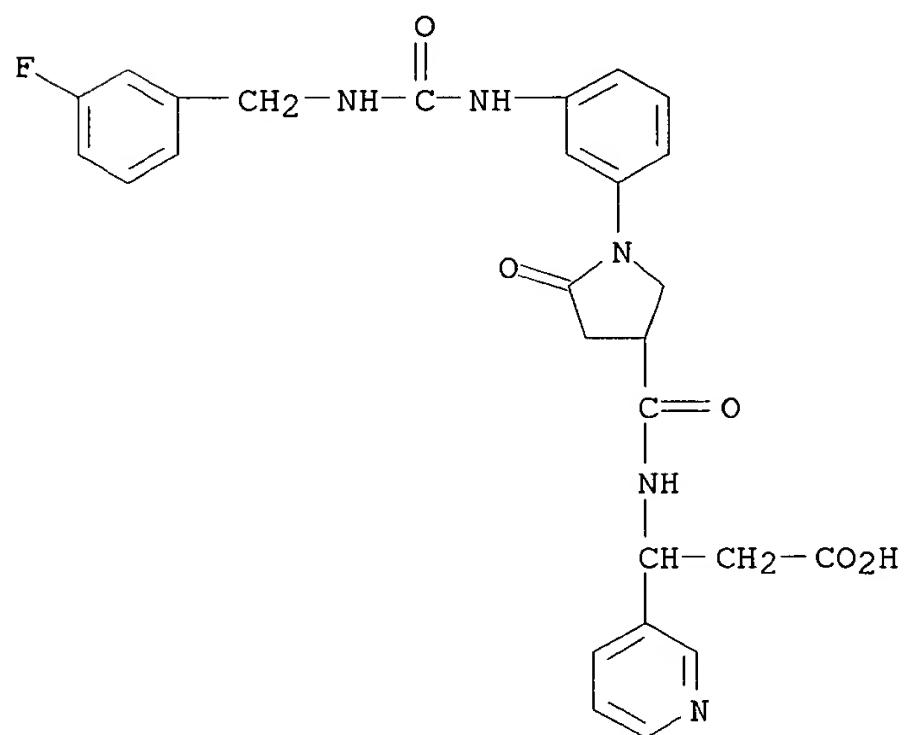
RN 345297-23-6 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



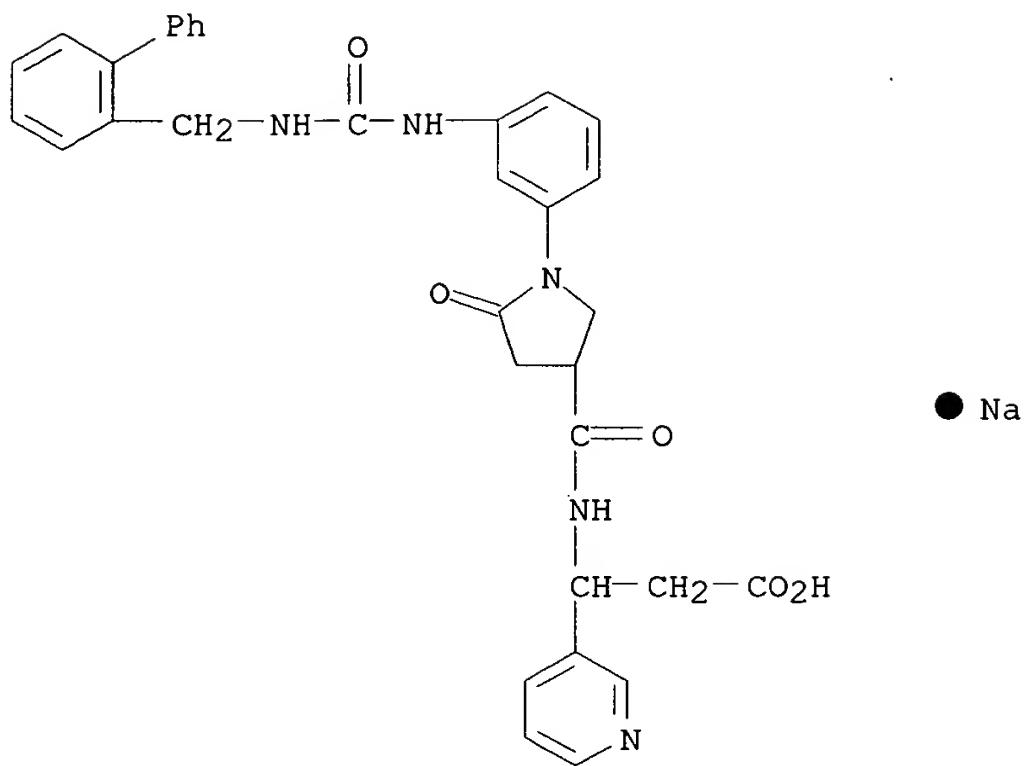
RN 345297-24-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[3-fluorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl carbonyl]amino]- (9CI) (CA INDEX NAME)



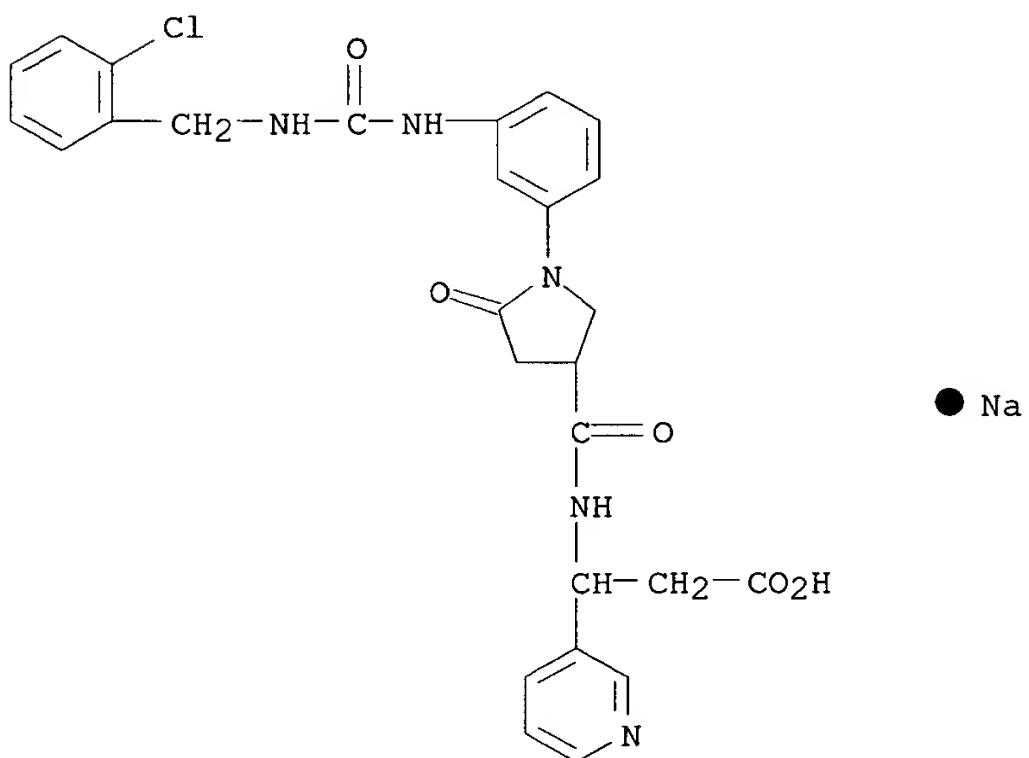
RN 345297-25-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[1,1'-biphenyl]-2-ylmethyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



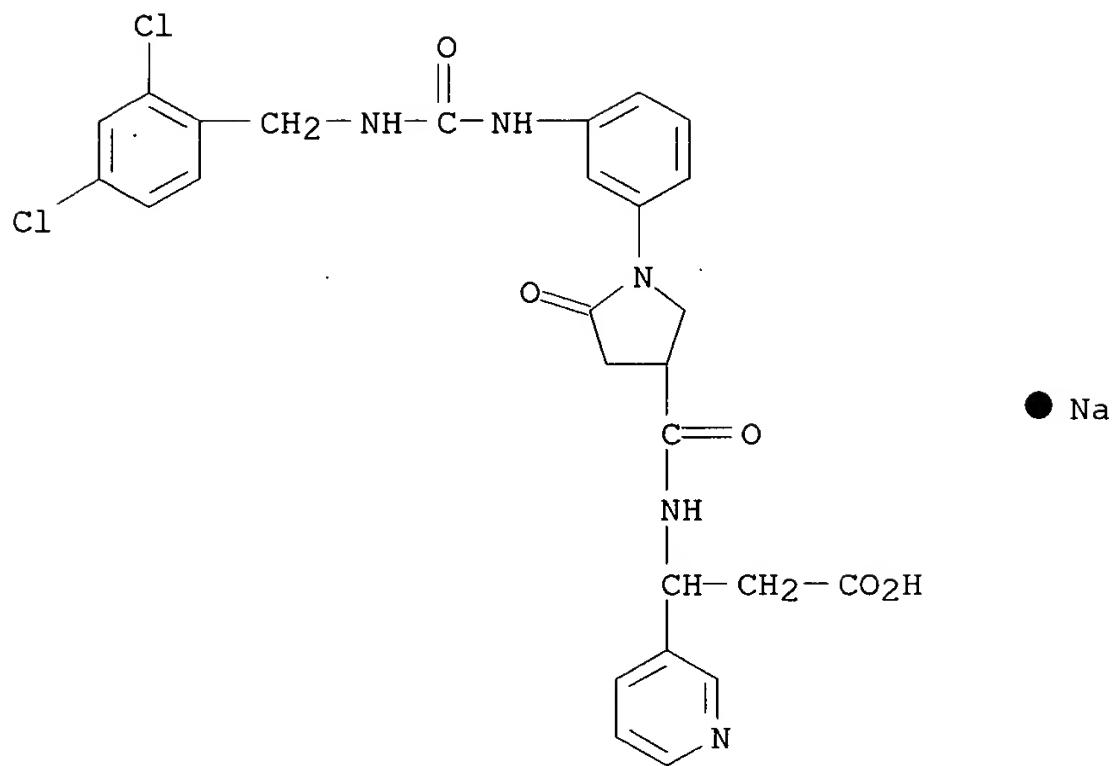
RN 345297-26-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(2-chlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



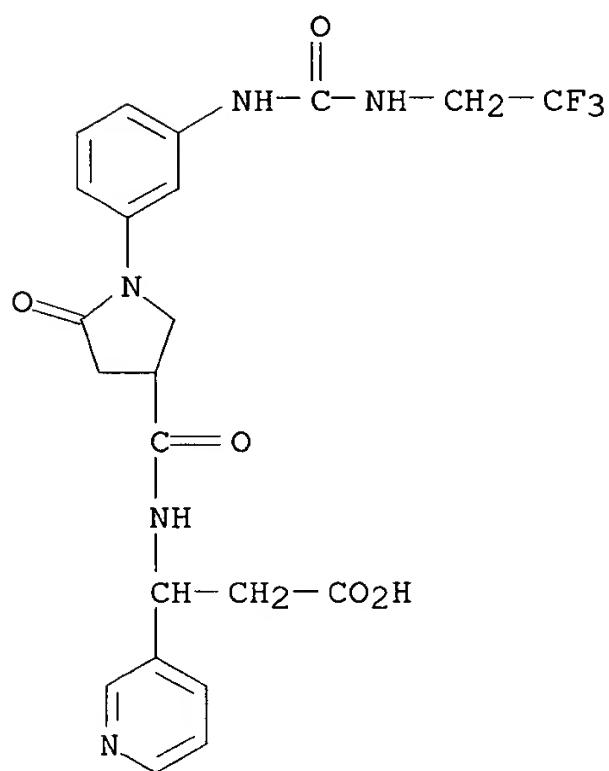
RN 345297-27-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(2,4-dichlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



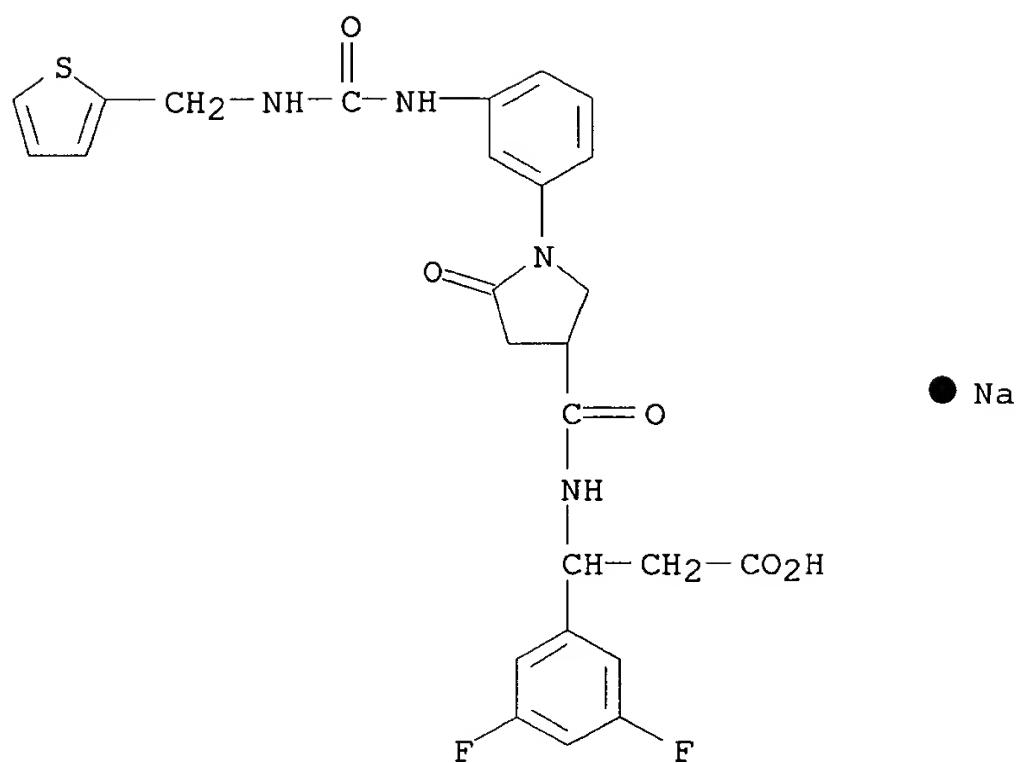
RN 345297-28-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[2,2,2-trifluoroethyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



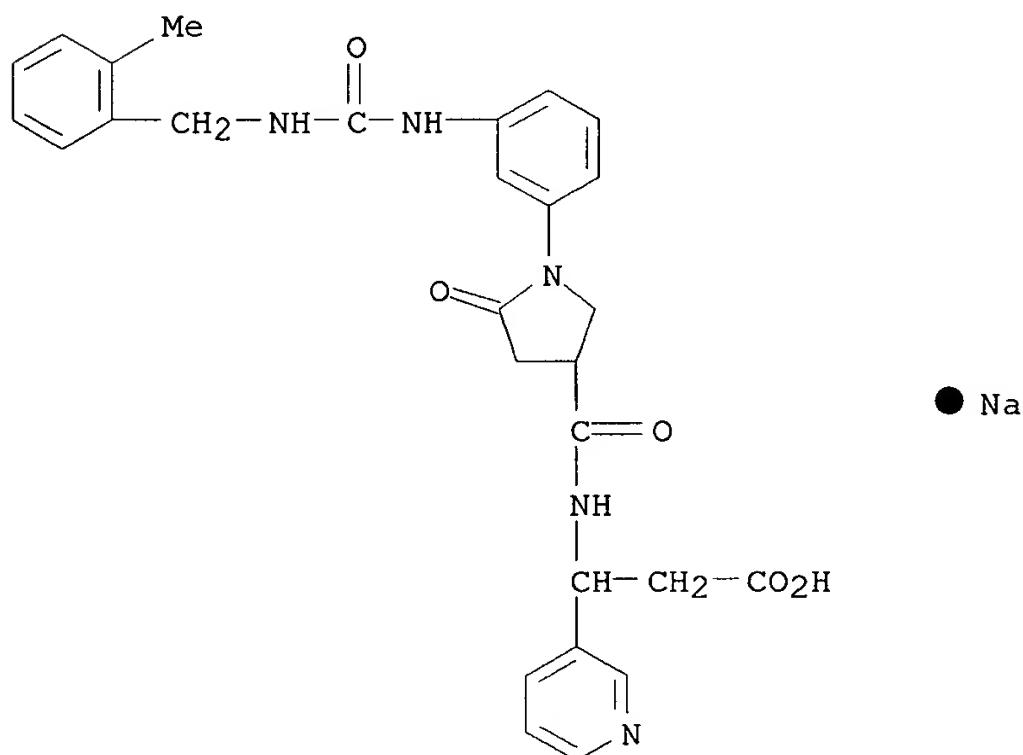
RN 345297-29-2 CAPLUS

CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[5-oxo-1-[3-[[[2-thienylmethyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



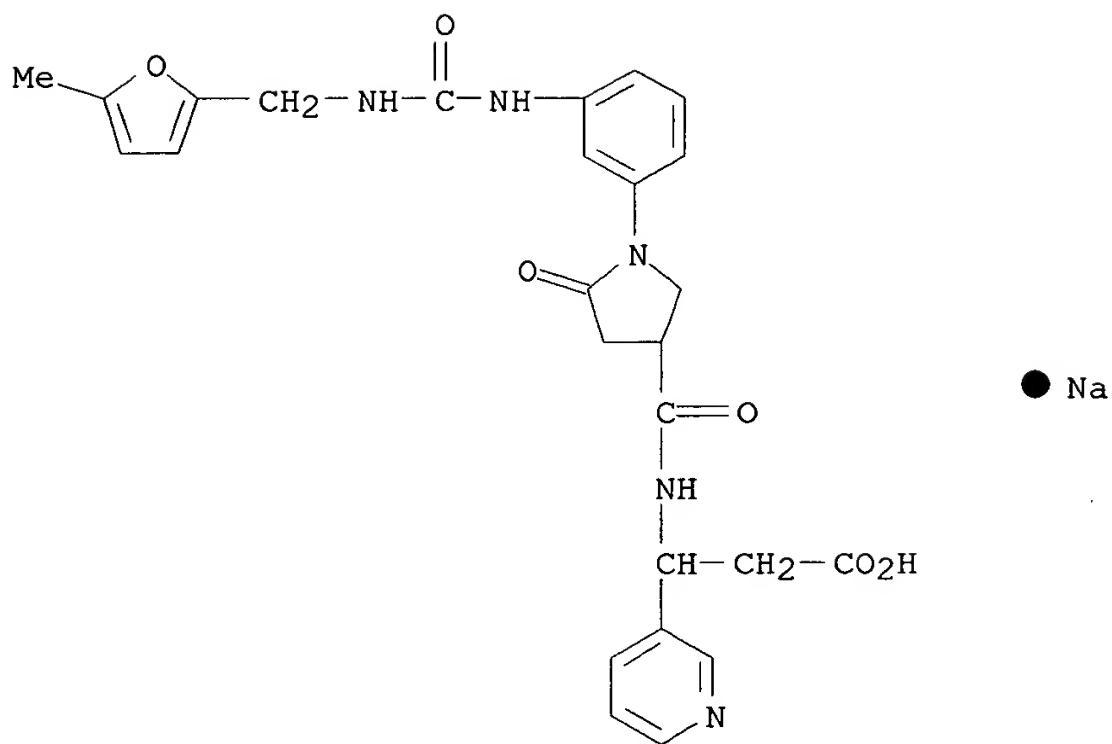
RN 345297-30-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[2-methylphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



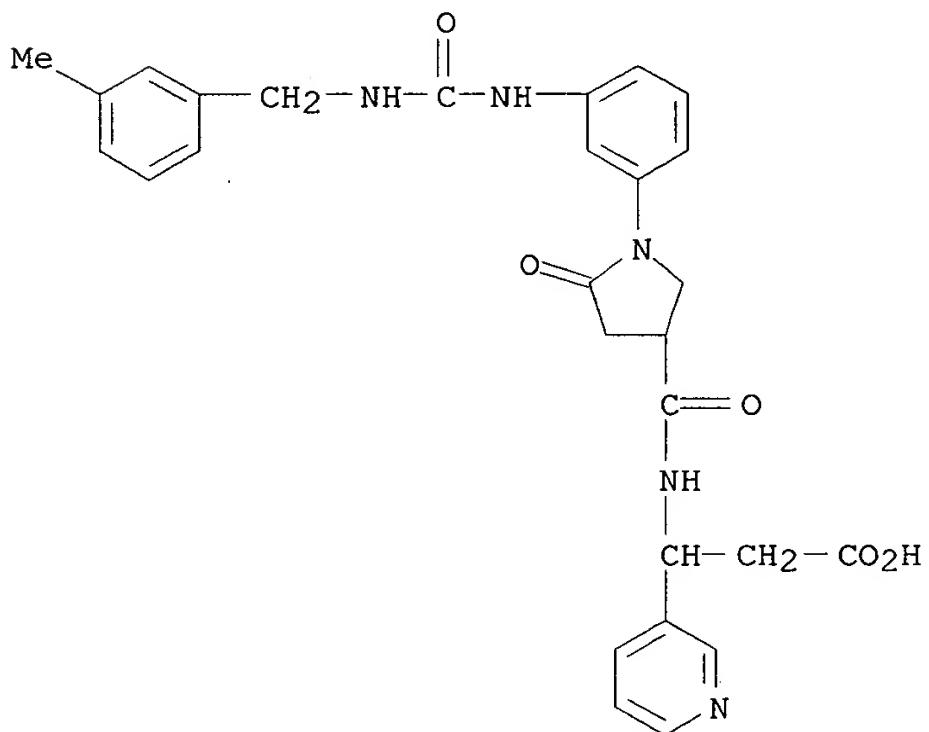
RN 345297-31-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[5-methyl-2-furyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



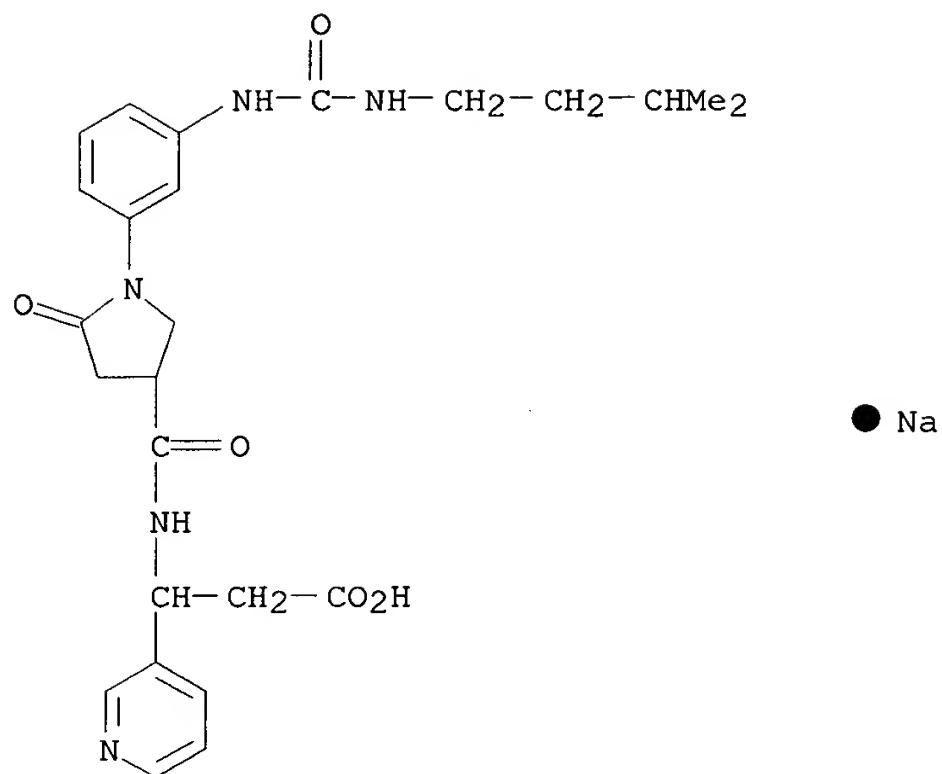
RN 345297-32-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-methylphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

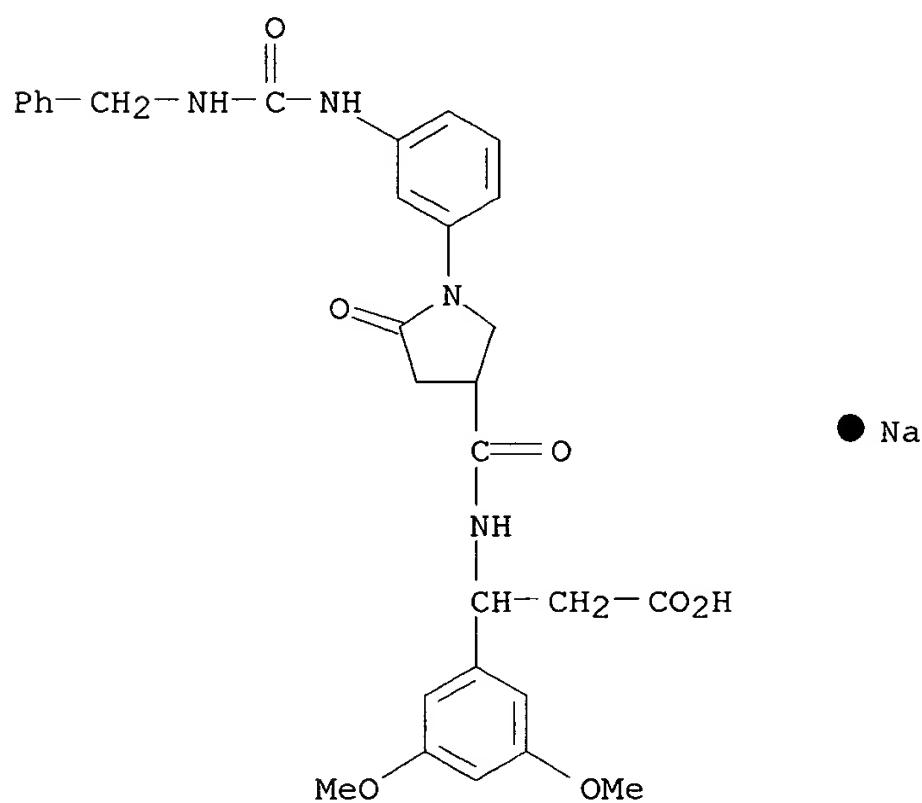


RN 345297-33-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3-methylbutyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

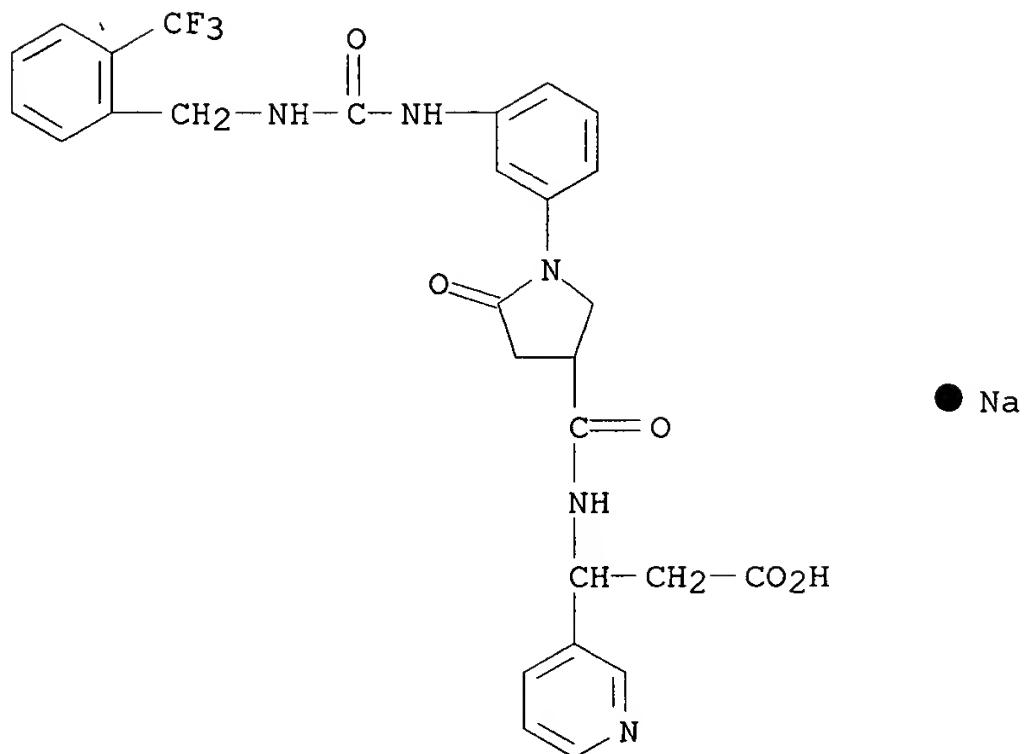


RN 345297-34-9 CAPLUS

CN Benzenepropanoic acid, 3,5-dimethoxy-.beta.-[[[5-oxo-1-[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

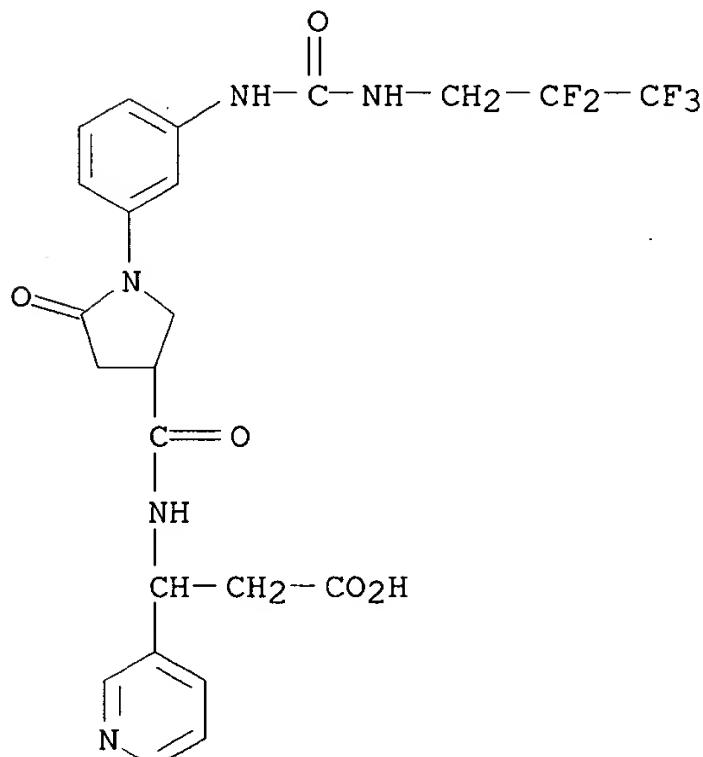
RN 345297-35-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[2-
(trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



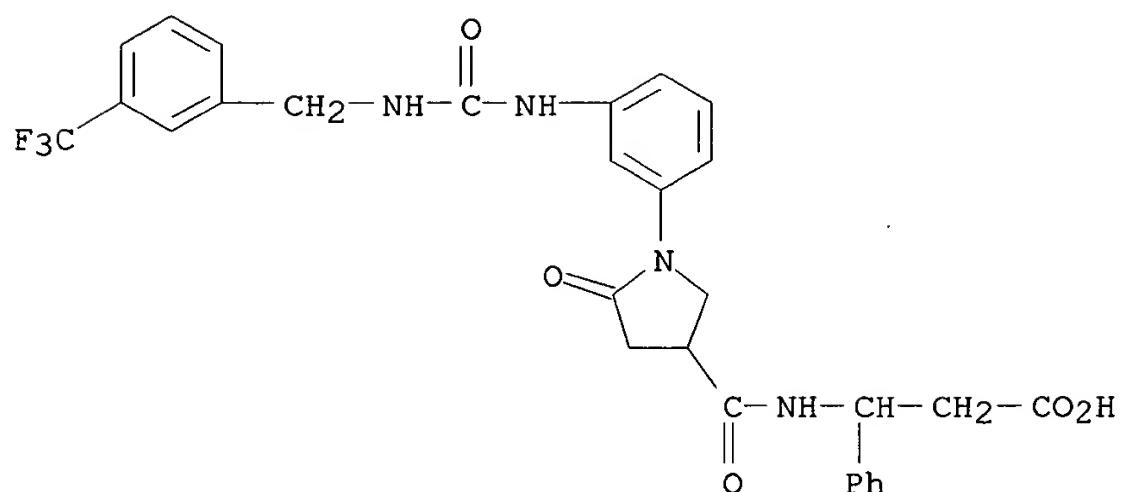
RN 345297-36-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[2,2,3,3,3-pentafluoropropyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-37-2 CAPLUS

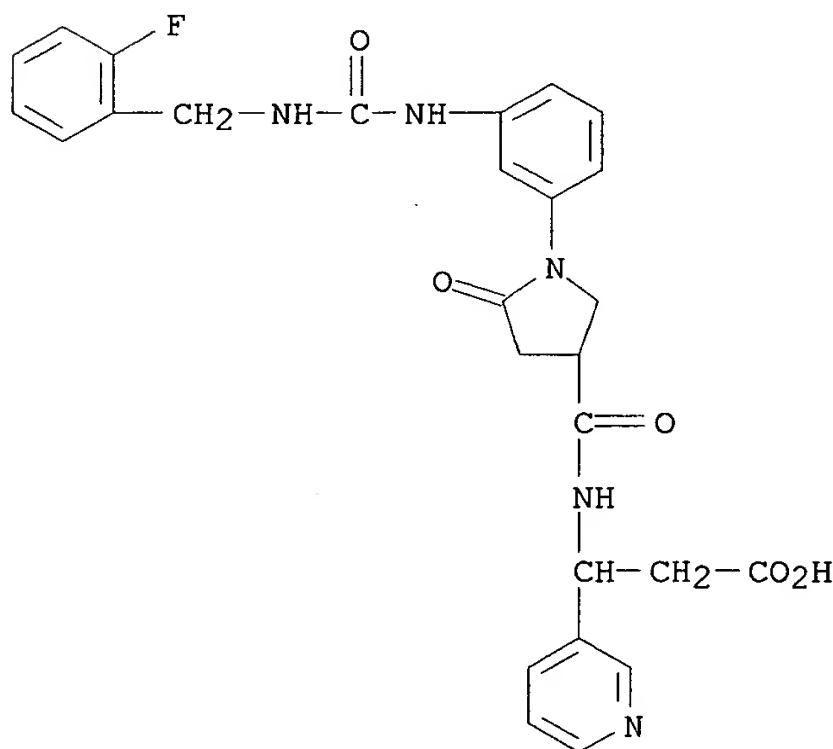
CN Benzenepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[3-(trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345297-38-3 CAPLUS

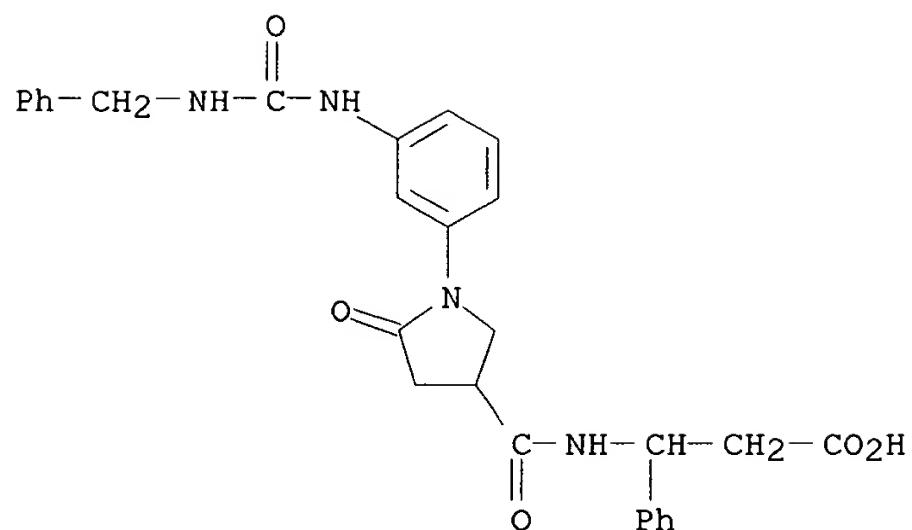
CN 3-Pyridinepropanoic acid, .beta.-[[1-[3-[[[[2-fluorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345297-39-4 CAPLUS

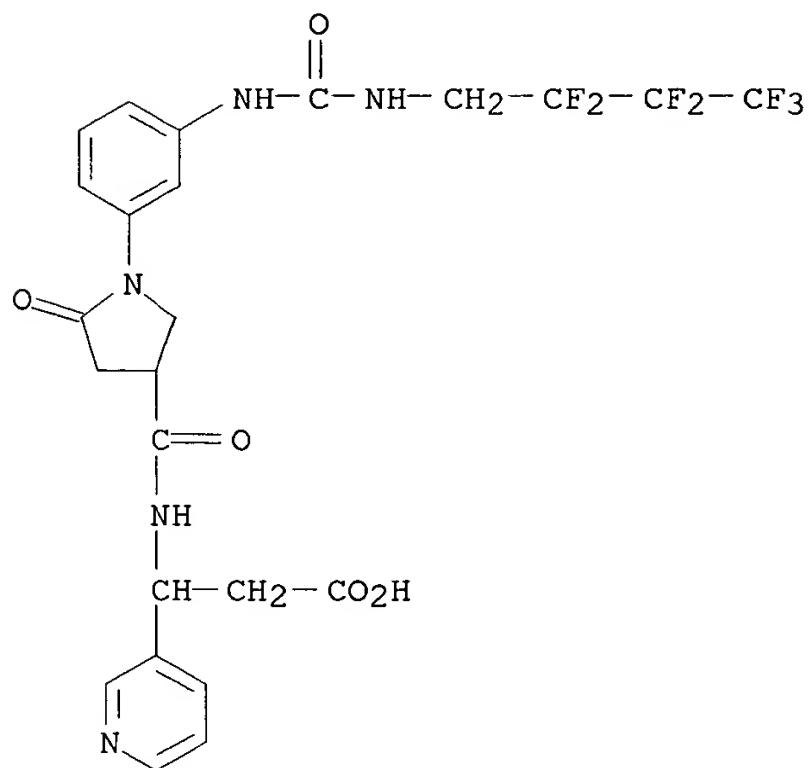
CN Benzenepropanoic acid, .beta.-[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

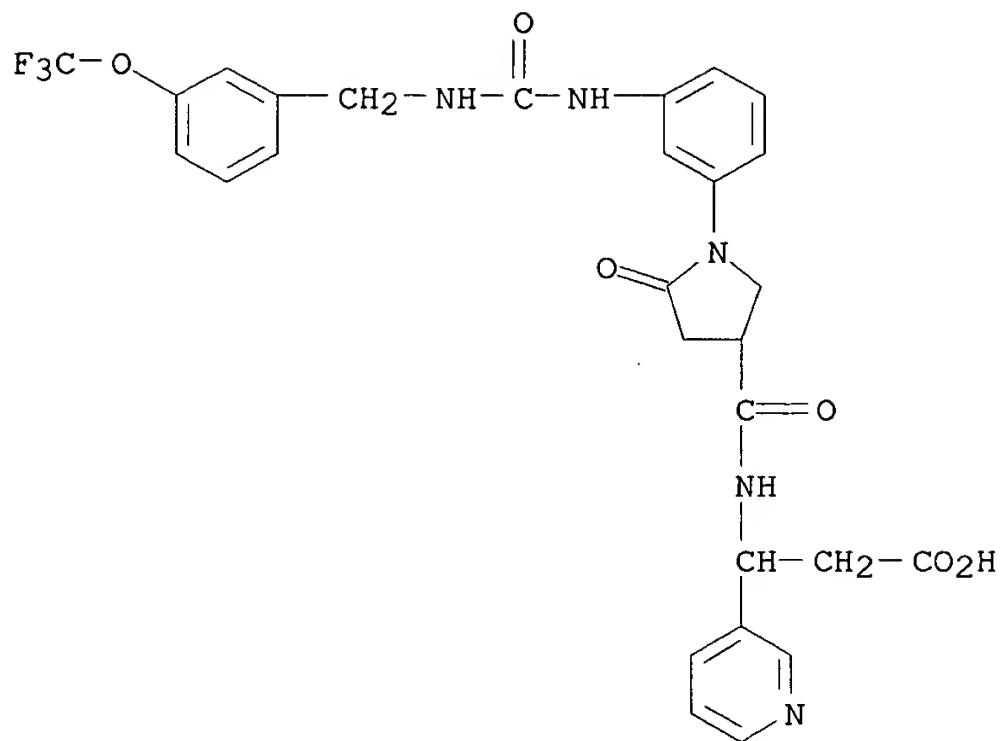
RN 345297-40-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(2,2,3,3,4,4,4-heptafluorobutyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



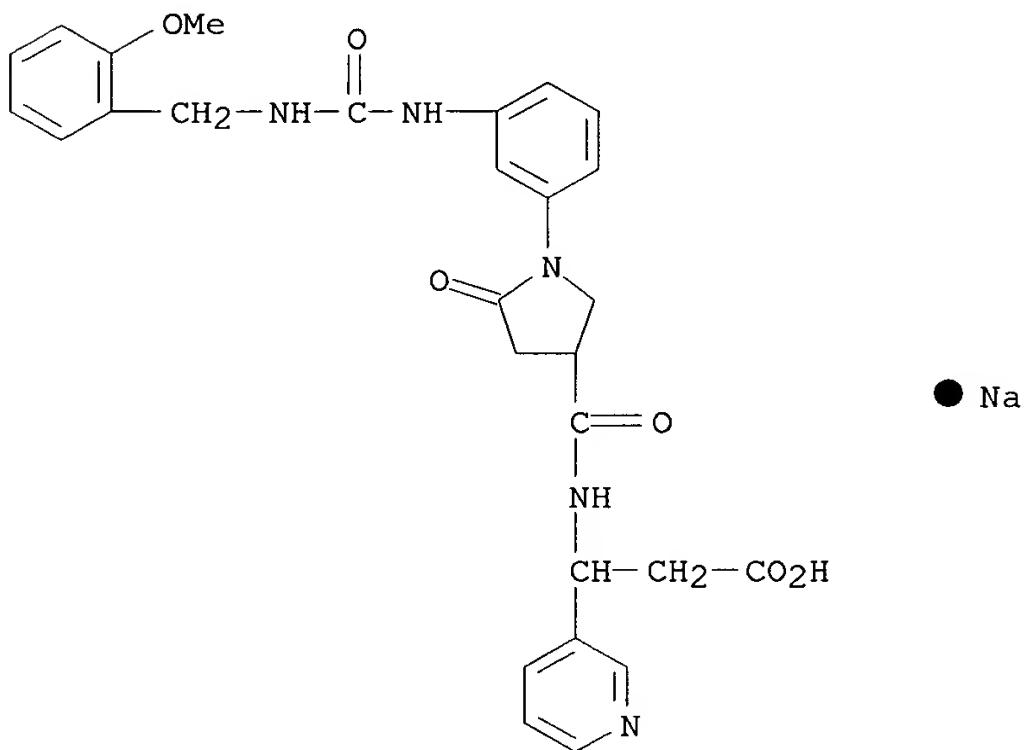
RN 345297-41-8 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[3-(trifluoromethoxy)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



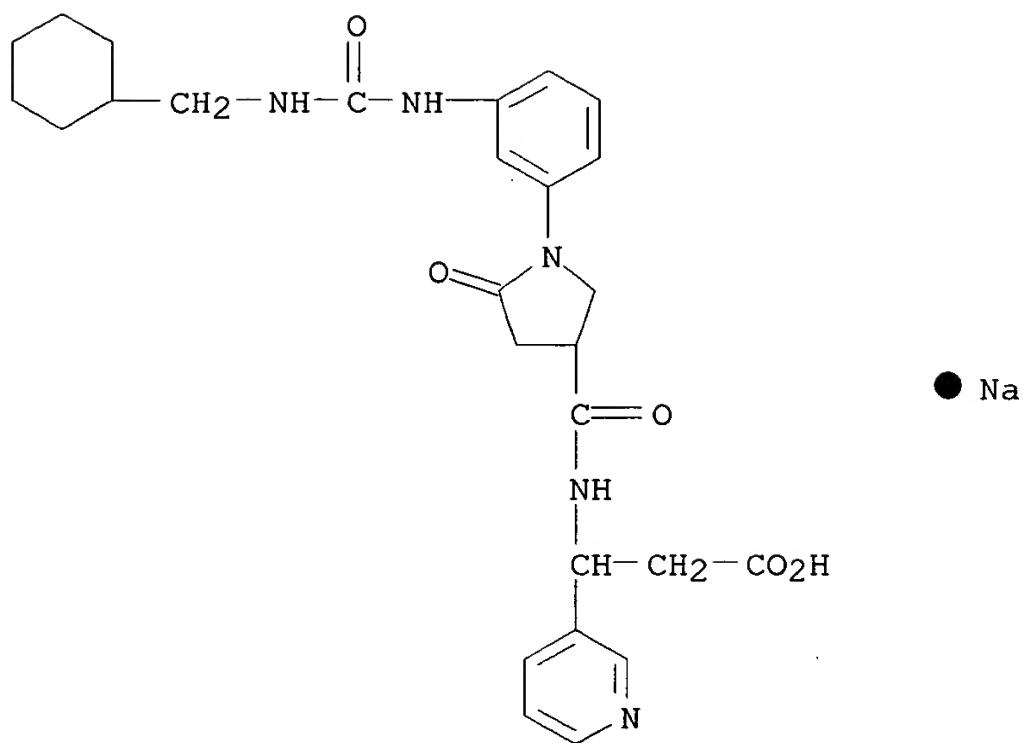
RN 345297-42-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[2-methoxyphenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



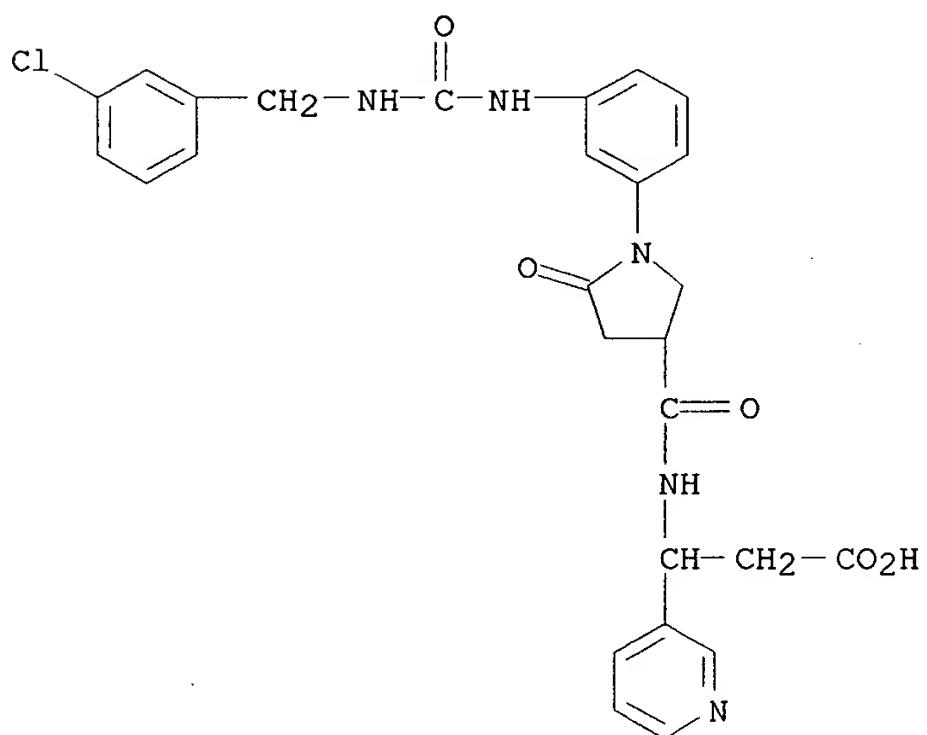
RN 345297-43-0 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(cyclohexylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



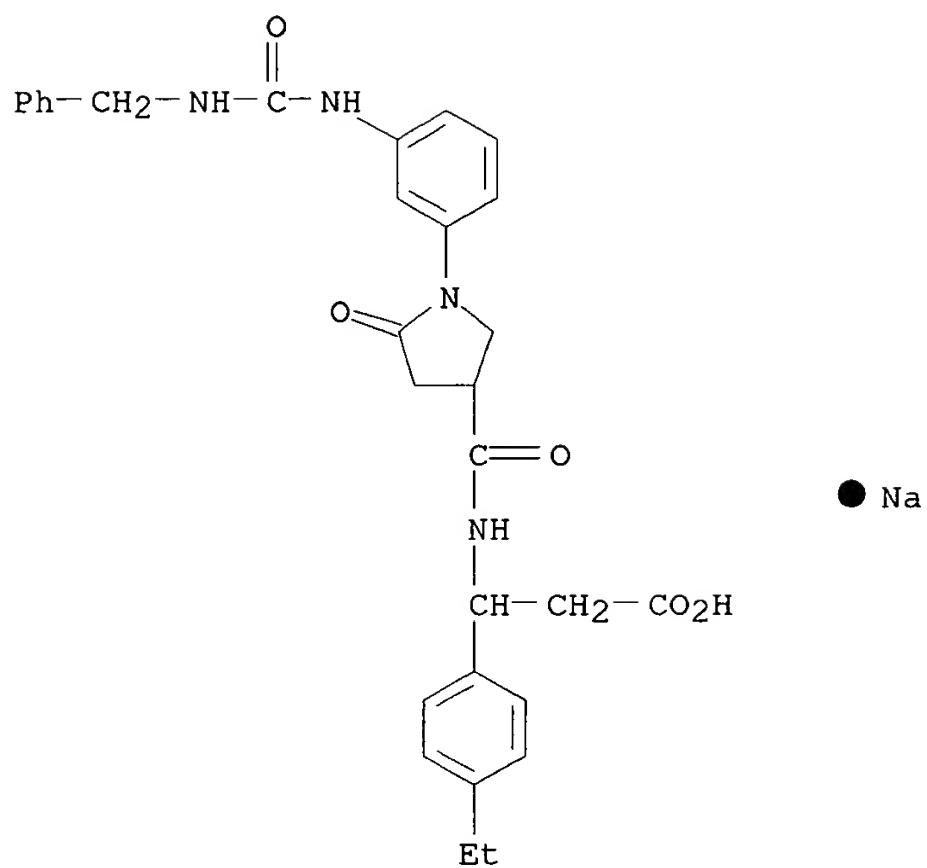
RN 345297-44-1 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[1-[3-[[[3-chlorophenyl]methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



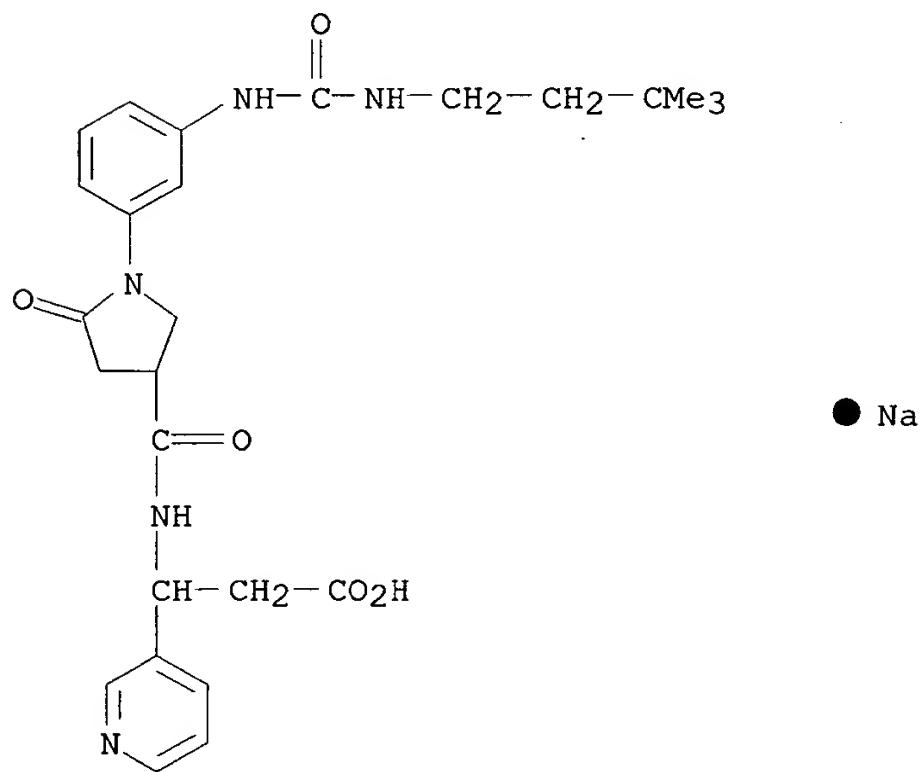
RN 345297-45-2 CAPLUS

CN Benzene propanoic acid, 4-ethyl-.beta.-[[5-oxo-1-[3-[[[phenylmethyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



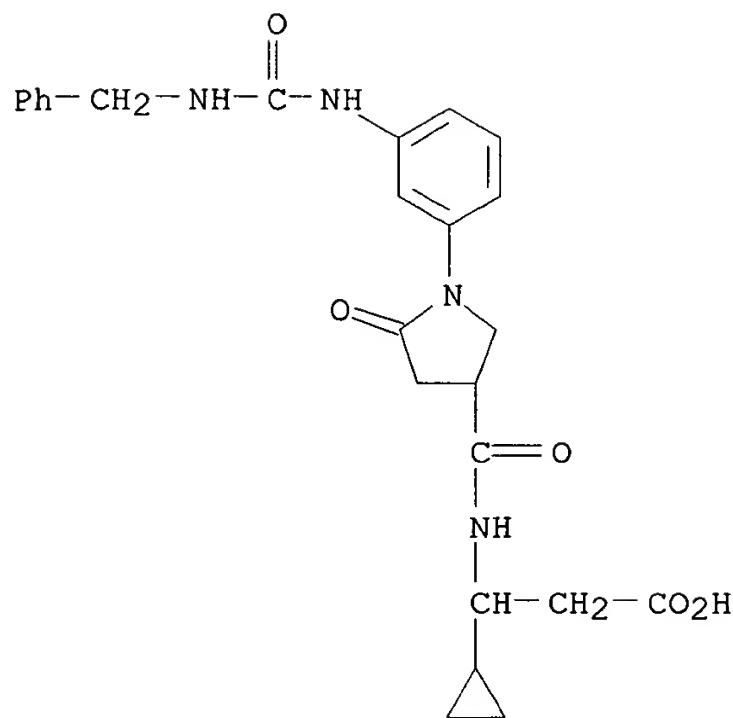
RN 345297-46-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(3,3-dimethylbutyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



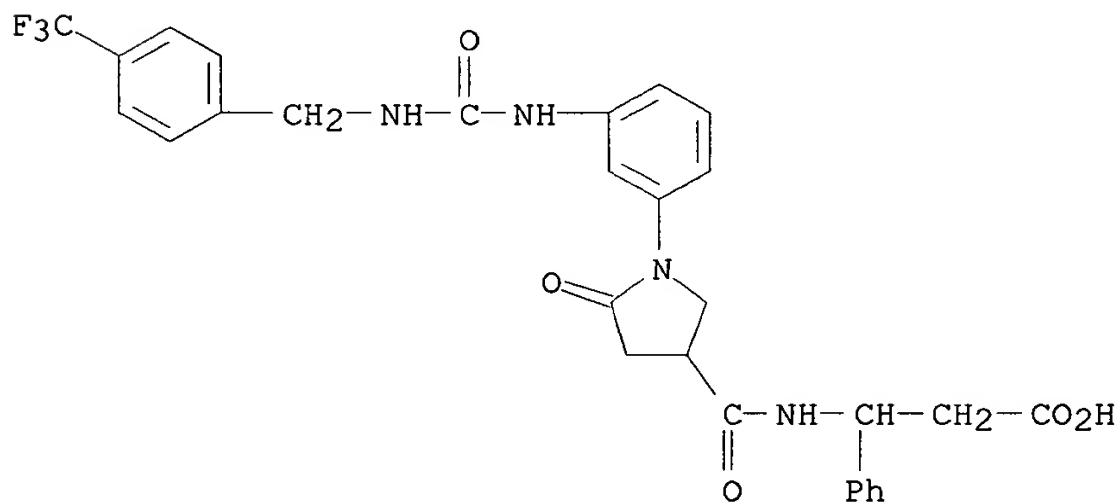
RN 345297-47-4 CAPLUS

CN Cyclopropane propanoic acid, .beta.-[[[5-oxo-1-[3-[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-48-5 CAPLUS

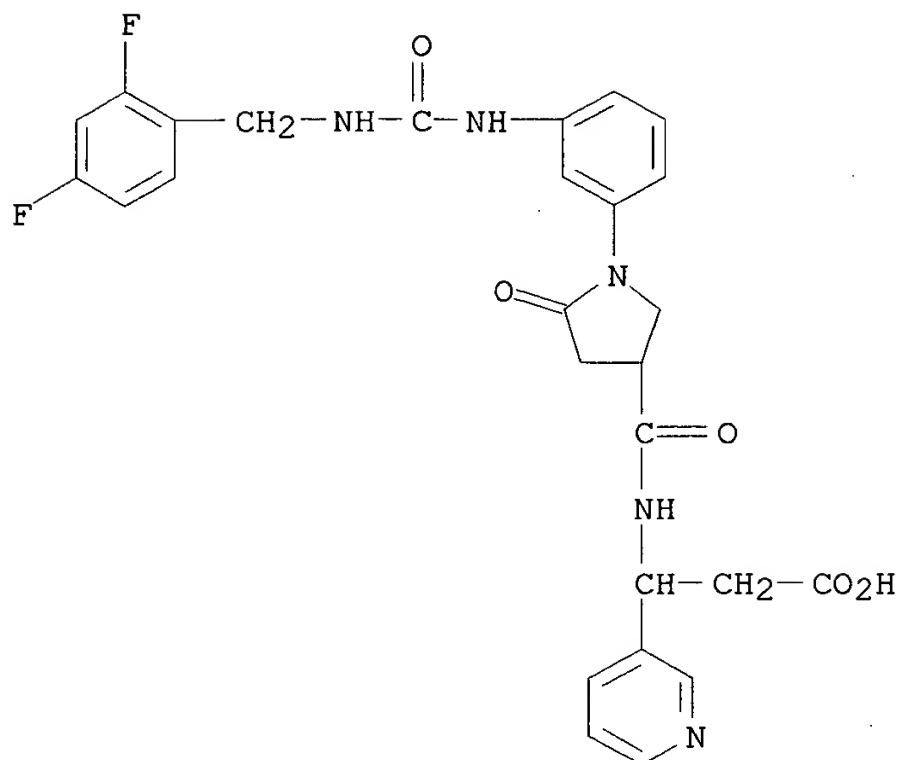
CN Benzenepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[[4-(trifluoromethyl)phenyl]methyl]amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

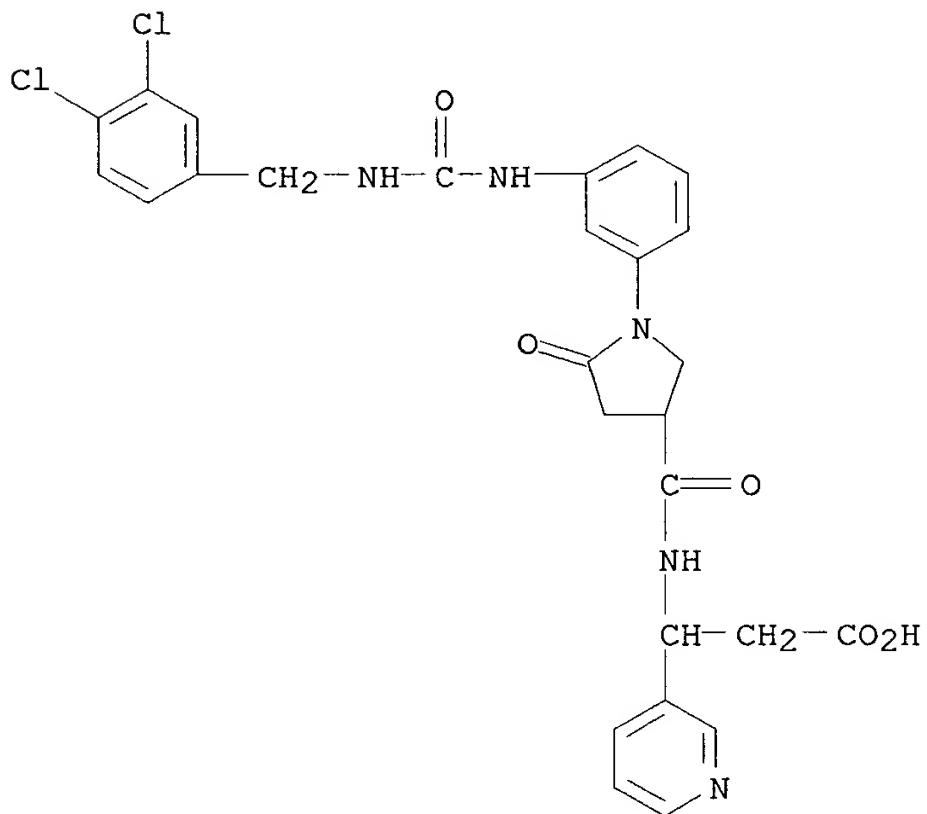
RN 345297-49-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[[2,4-difluorophenyl]methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



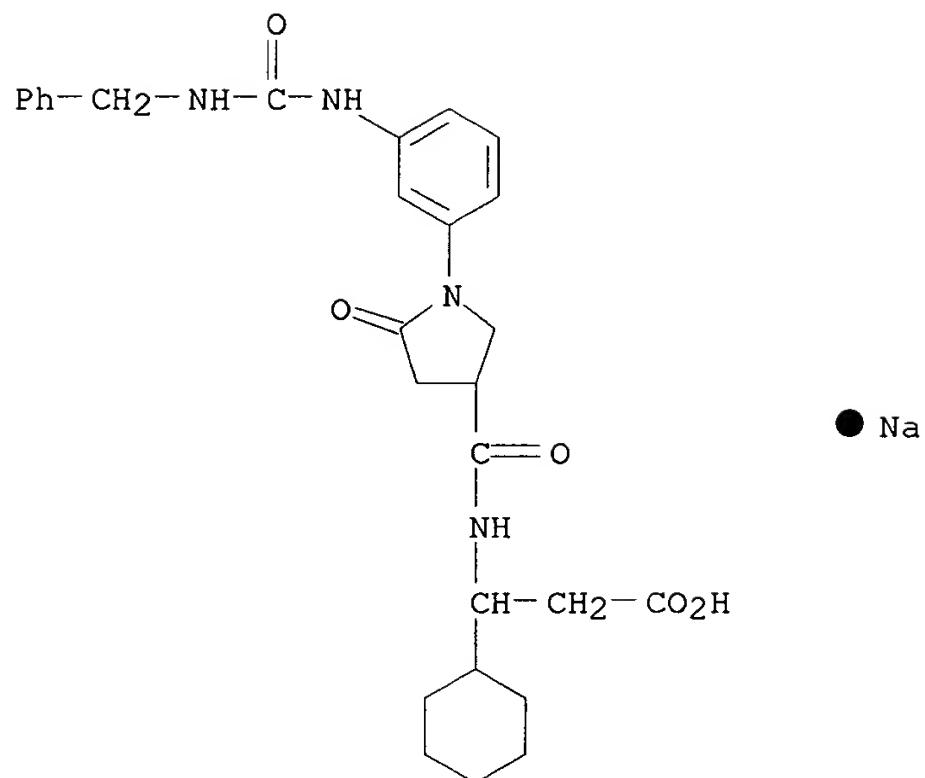
RN 345297-50-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(3,4-
dichlorophenyl)methyl]amino]carbonyl]amino]phenyl]-5-oxo-3-
pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 345297-51-0 CAPLUS

CN Cyclohexanepropanoic acid, .beta.-[[[5-oxo-1-[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)

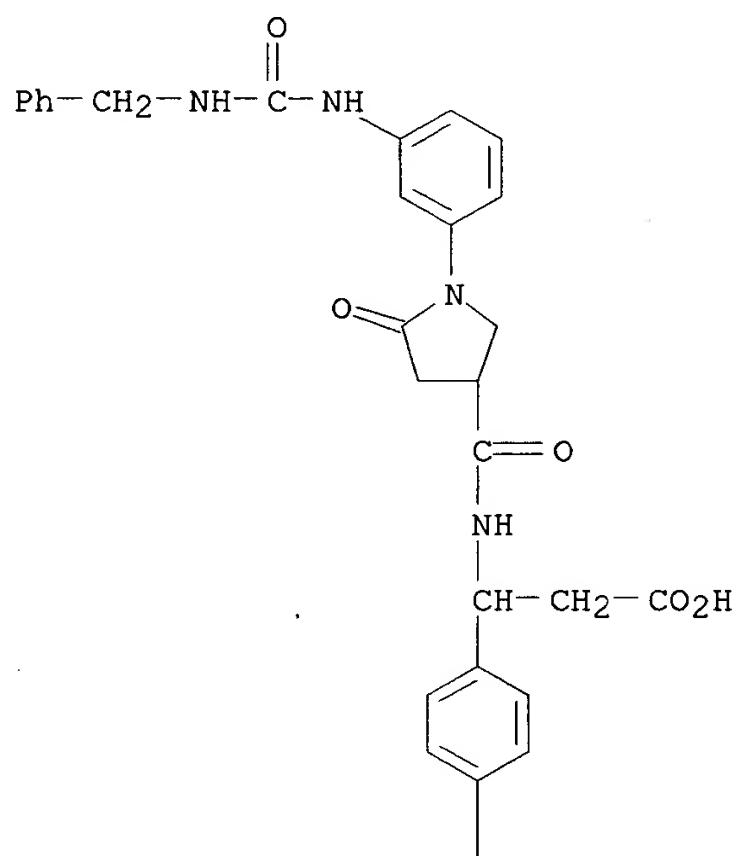


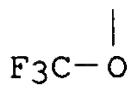
● Na

RN 345297-52-1 CAPLUS

CN Benzenepropanoic acid, β -[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-4-(trifluoromethoxy)-, monosodium salt (9CI) (CA INDEX NAME)

PAGE 1-A

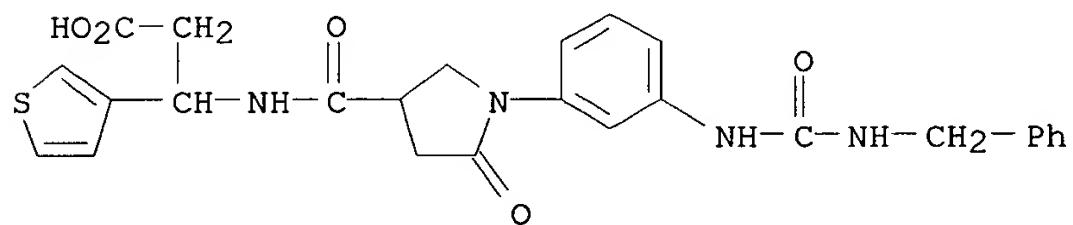




● Na

RN 345297-53-2 CAPLUS

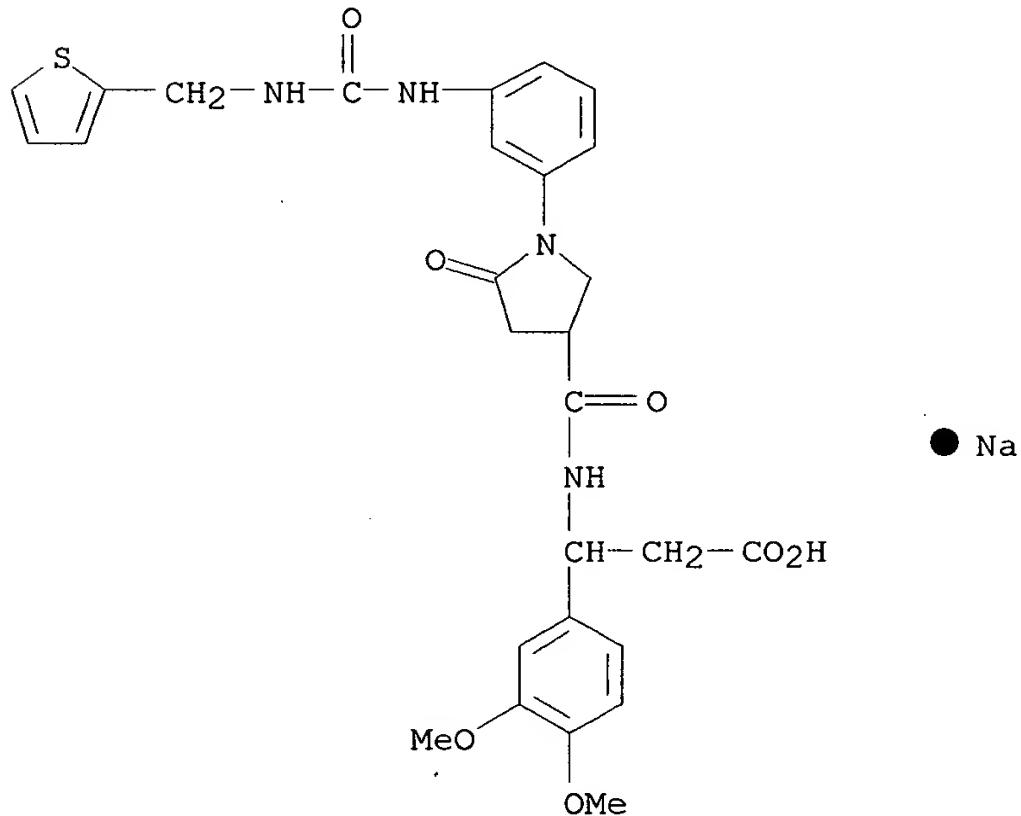
CN 3-Thiophenepropanoic acid, .beta.-[[[5-oxo-1-[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 345297-54-3 CAPLUS

CN Benzenepropanoic acid, 3,4-dimethoxy-.beta.-[[[5-oxo-1-[3-[[[(2-thienylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

IT 345297-55-4P 345297-56-5P 345297-57-6P

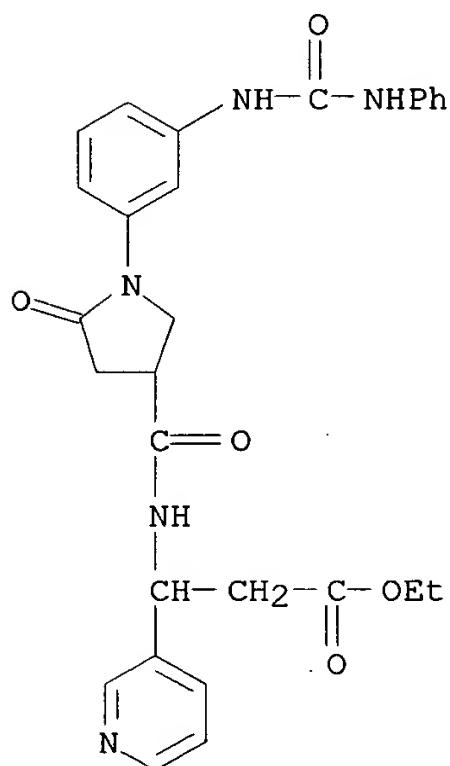
345297-58-7P 345297-59-8P 345297-60-1P
 345297-61-2P 345297-62-3P 345297-63-4P
 345297-64-5P 345297-66-7P 345297-68-9P
 345297-70-3P 345297-71-4P 345297-74-7P
 345297-80-5P 345297-85-0P 345297-86-1P
 345297-87-2P 345297-88-3P 345297-90-7P
 345297-91-8P 345297-92-9P 345297-93-0P
 345297-94-1P 345297-95-2P 345297-96-3P
 345297-97-4P 345298-02-4P 345298-03-5P
 345659-23-6P 345659-24-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of 1-(aminophenyl)-2-pyrrolidones as integrin inhibitors)

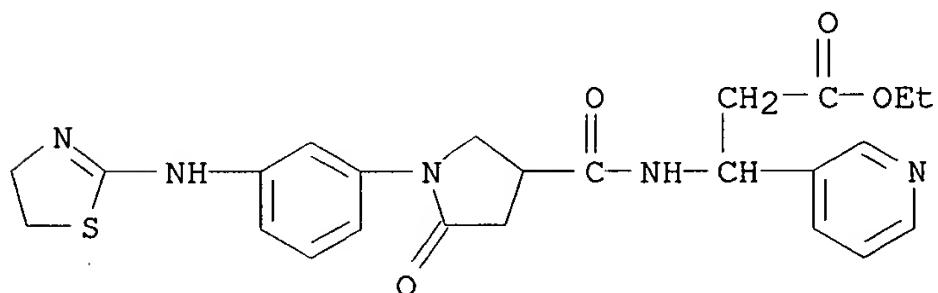
RN 345297-55-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(phenylamino)carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



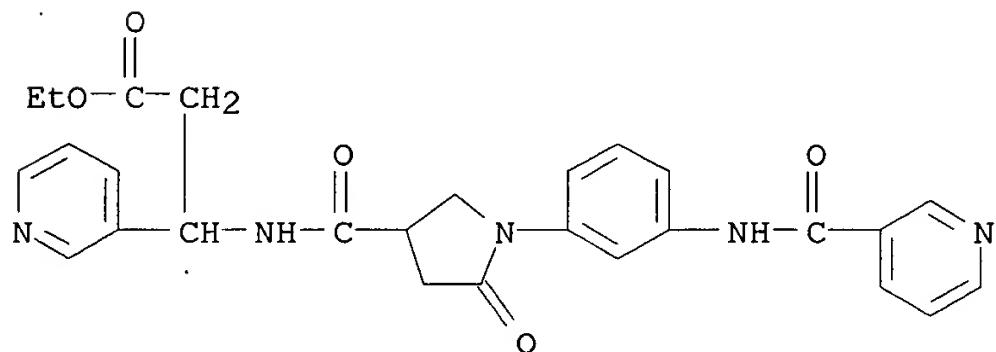
RN 345297-56-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[(4,5-dihydro-2-thiazolyl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



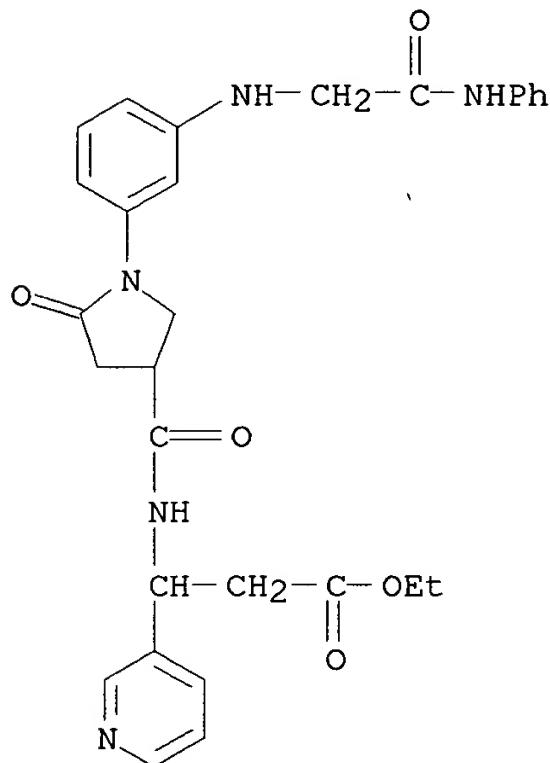
RN 345297-57-6 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(3-pyridinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



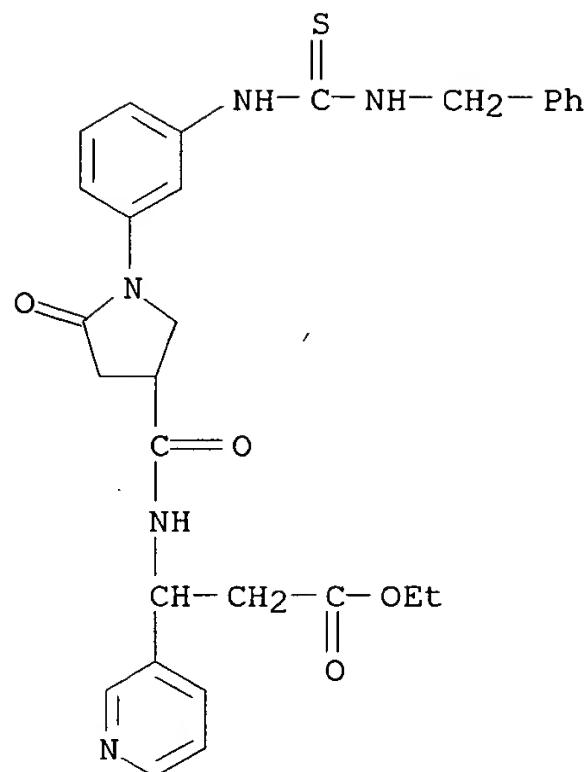
RN 345297-58-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-oxo-2-(phenylamino)ethyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-59-8 CAPLUS

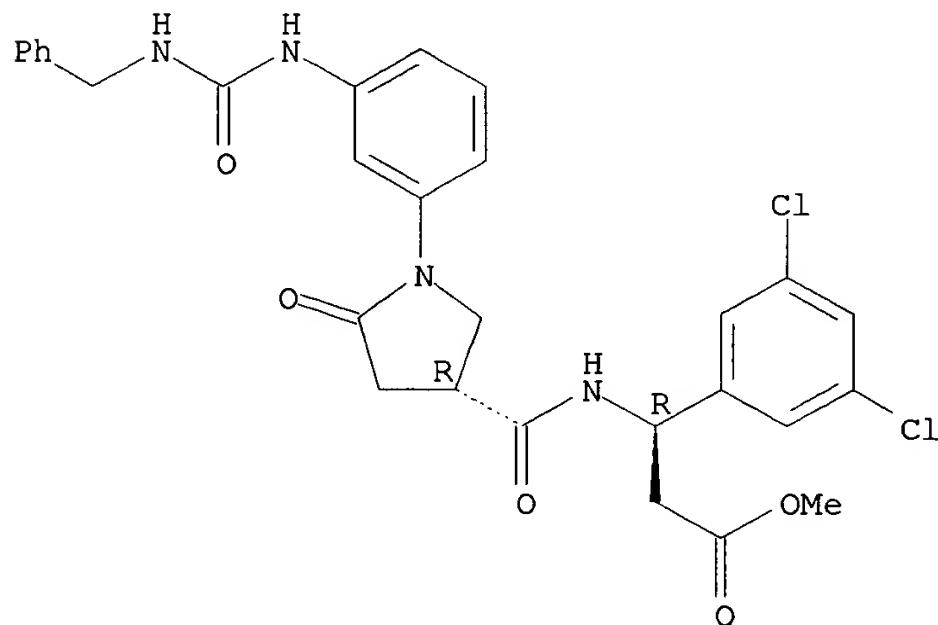
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]thioxomethyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-60-1 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[(3R)-5-oxo-1-[3-[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.R)-rel- (9CI) (CA INDEX NAME)

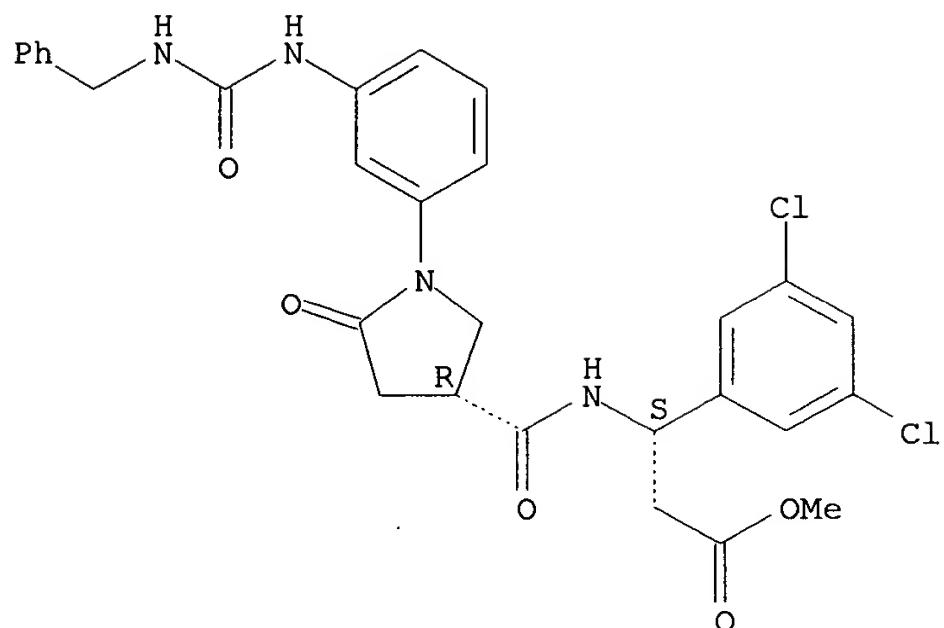
Relative stereochemistry.



RN 345297-61-2 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[(3R)-5-oxo-1-[3-[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.S)-rel- (9CI) (CA INDEX NAME)

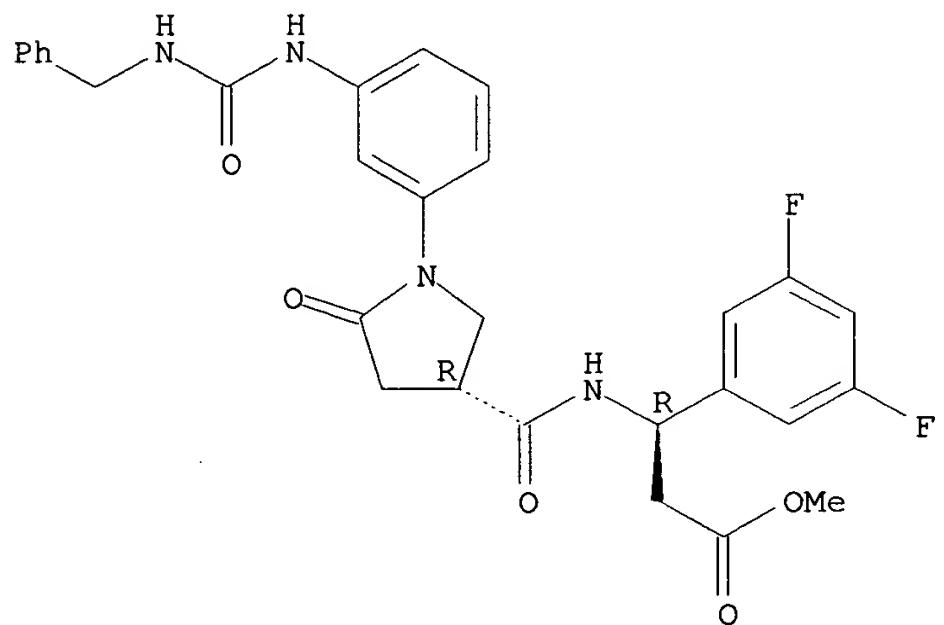
Relative stereochemistry.



RN 345297-62-3 CAPLUS

CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[(3R)-5-oxo-1-[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.R)-rel- (9CI) (CA
INDEX NAME)

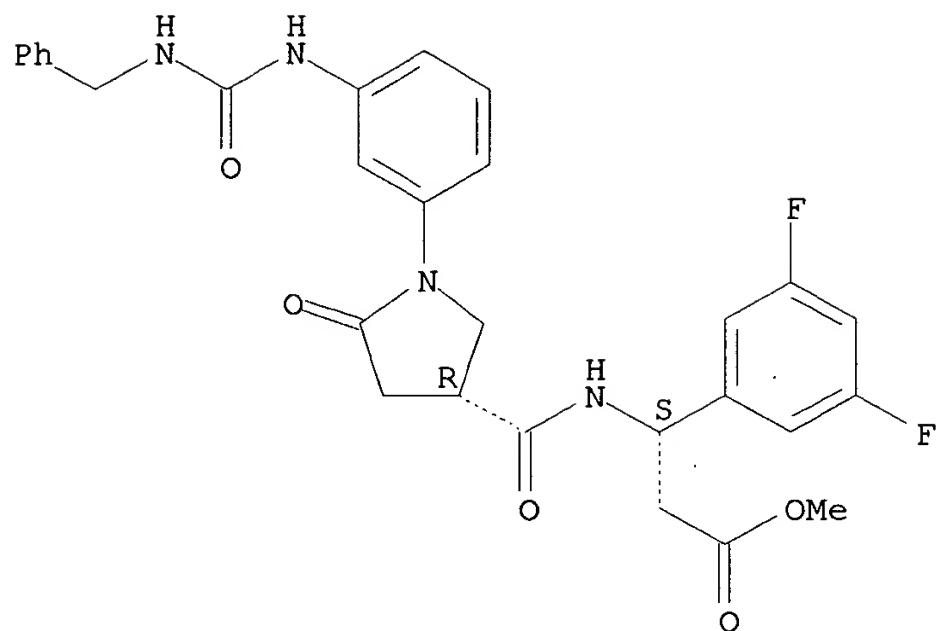
Relative stereochemistry.



RN 345297-63-4 CAPLUS

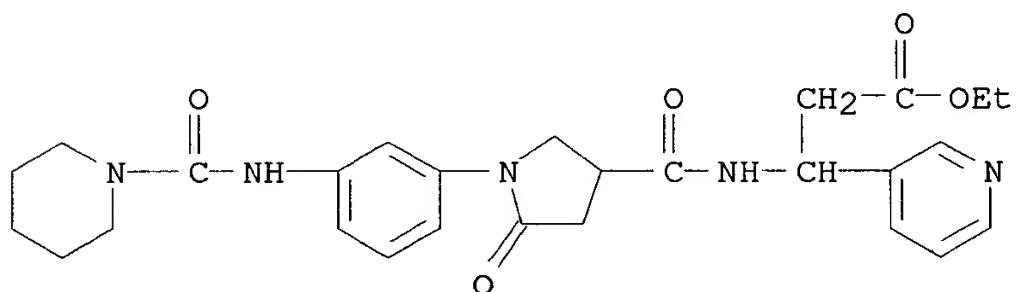
CN Benzenepropanoic acid, 3,5-difluoro-.beta.-[[[(3R)-5-oxo-1-[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.S)-rel- (9CI) (CA
INDEX NAME)

Relative stereochemistry.



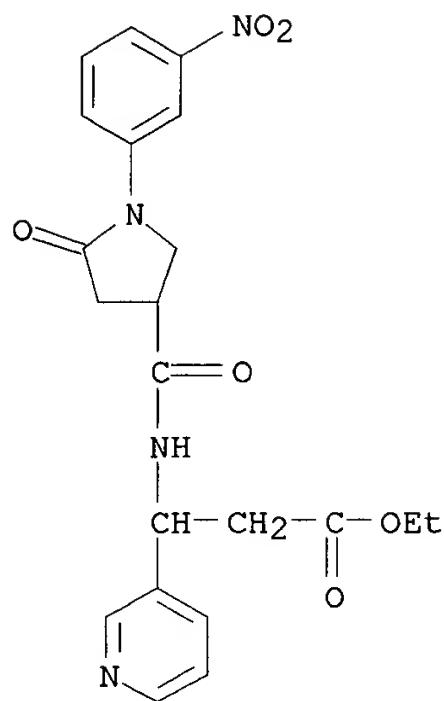
RN 345297-64-5 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(1-piperidinylcarbonyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



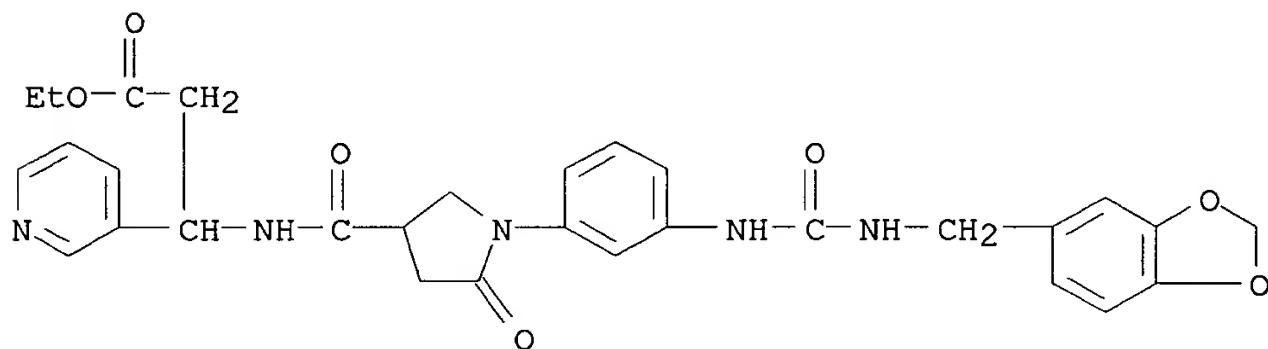
RN 345297-66-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(3-nitrophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



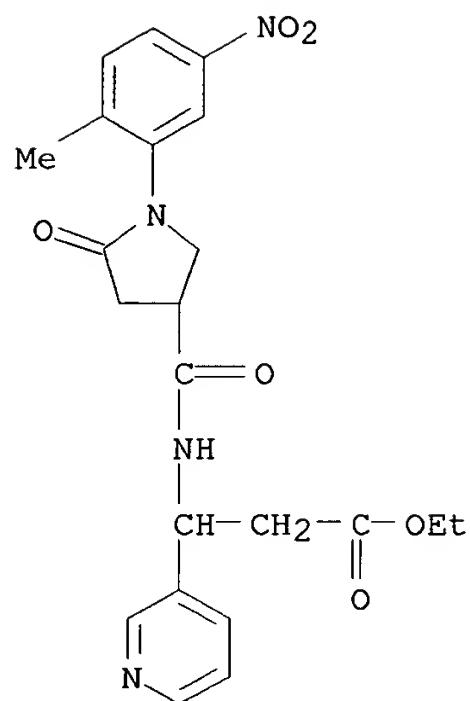
RN 345297-68-9 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-[[[(1,3-benzodioxol-5-ylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



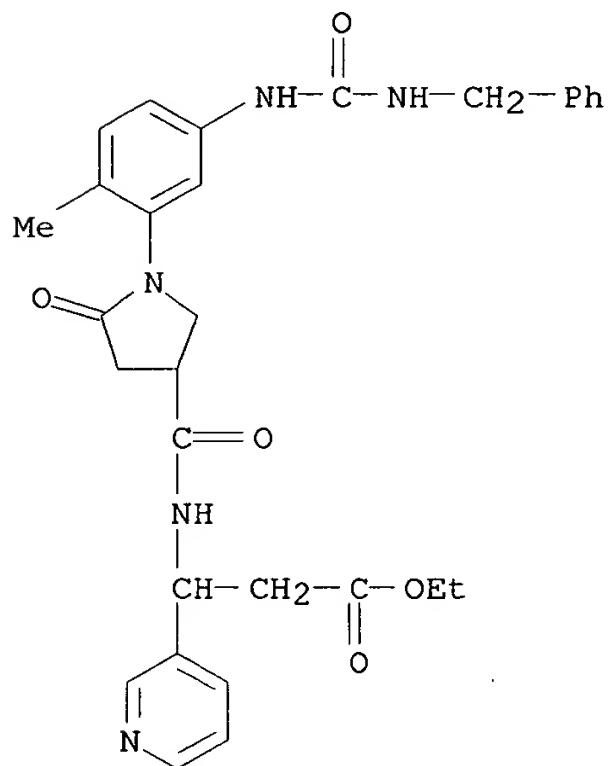
RN 345297-70-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-(2-methyl-5-nitrophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



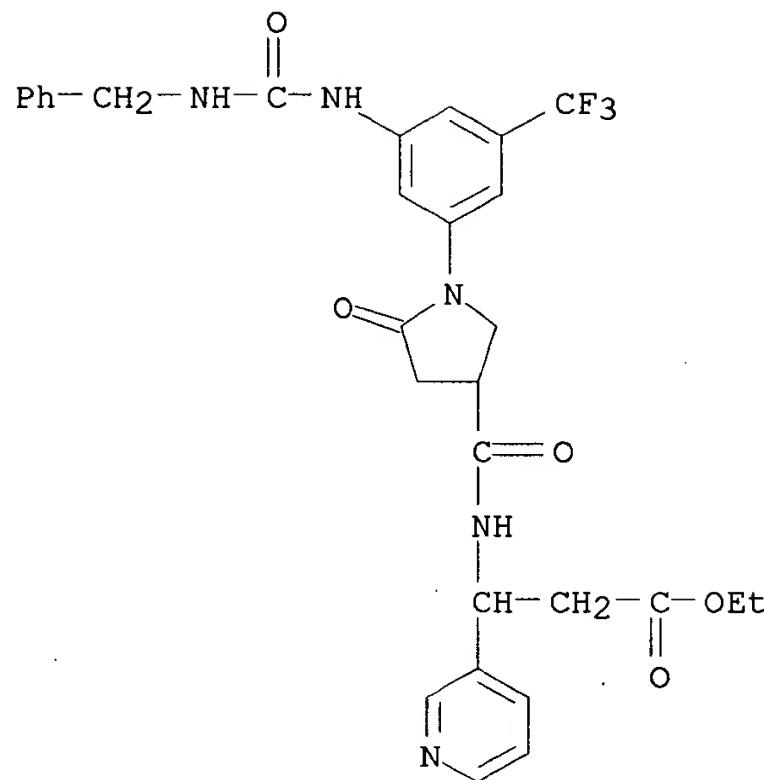
RN 345297-71-4 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[2-methyl-5-[(phenylmethyl)amino]carbonyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



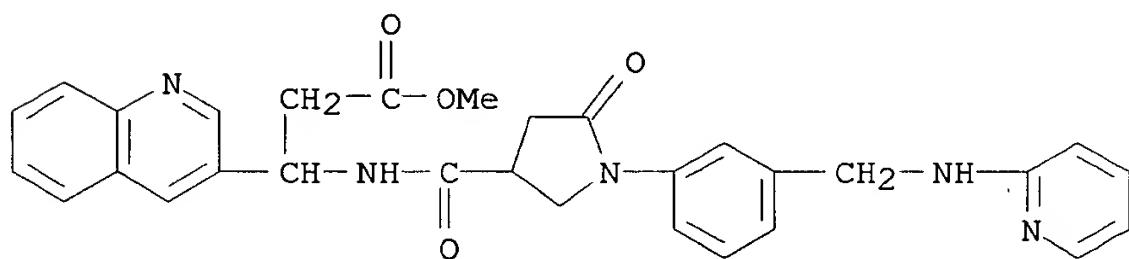
RN 345297-74-7 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(phenylmethyl)amino]carbonyl]amino]-5-(trifluoromethyl)phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-80-5 CAPLUS

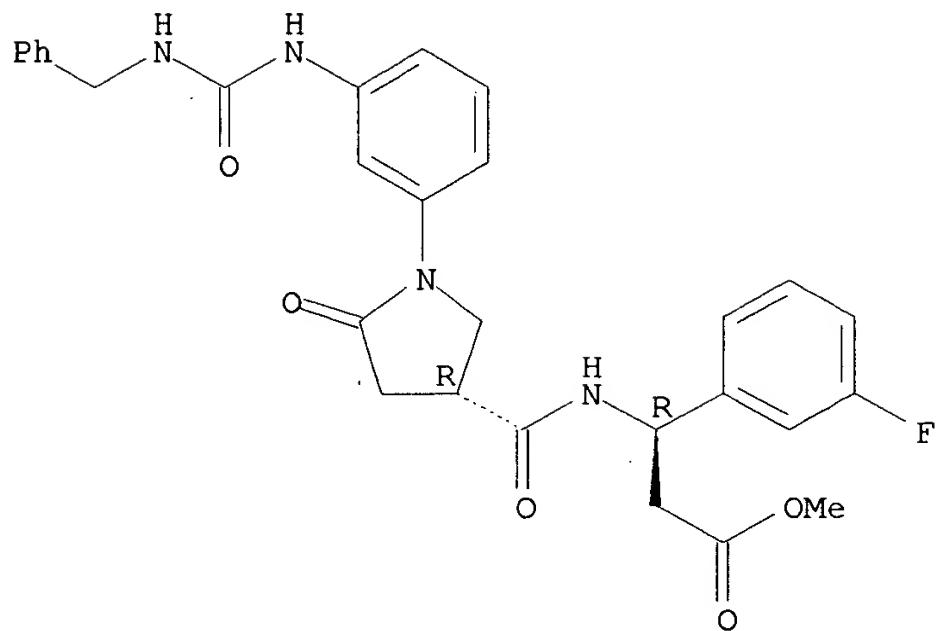
CN 3-Quinolinepropanoic acid, .beta.-[[[5-oxo-1-[3-[(2-pyridinylamino)methyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



RN 345297-85-0 CAPLUS

CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[(3R)-5-oxo-1-[3-[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.R)-rel- (9CI) (CA INDEX NAME)

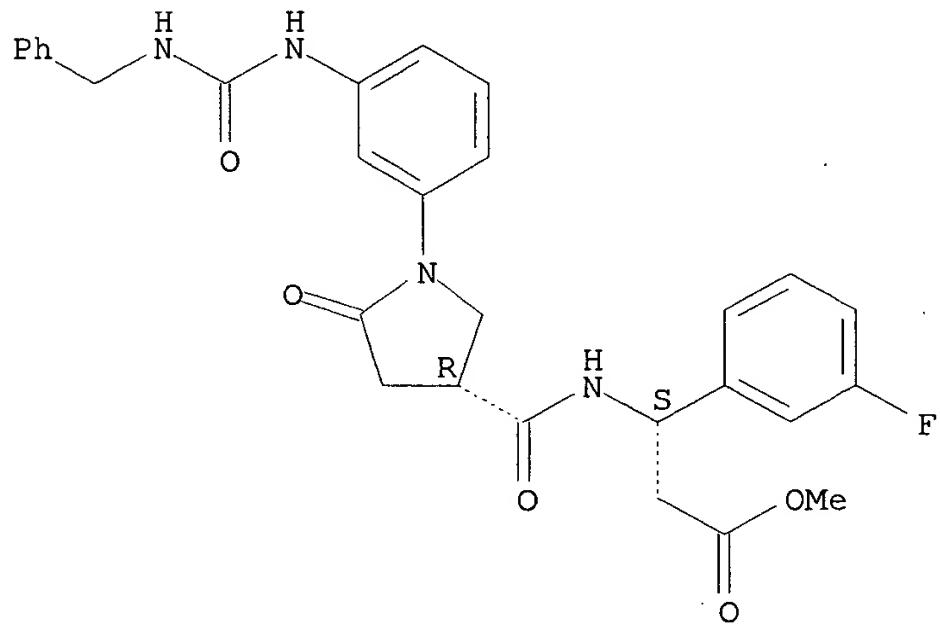
Relative stereochemistry.



RN 345297-86-1 CAPLUS

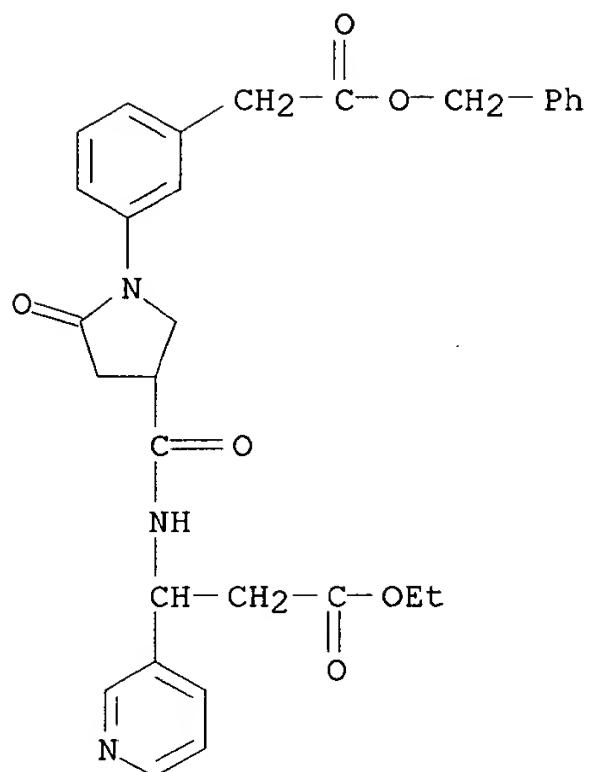
CN Benzenepropanoic acid, 3-fluoro-.beta.-[[[(3R)-5-oxo-1-[3-
[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-
pyrrolidinyl]carbonyl]amino]-, methyl ester, (.beta.S)-rel- (9CI) (CA
INDEX NAME)

Relative stereochemistry.



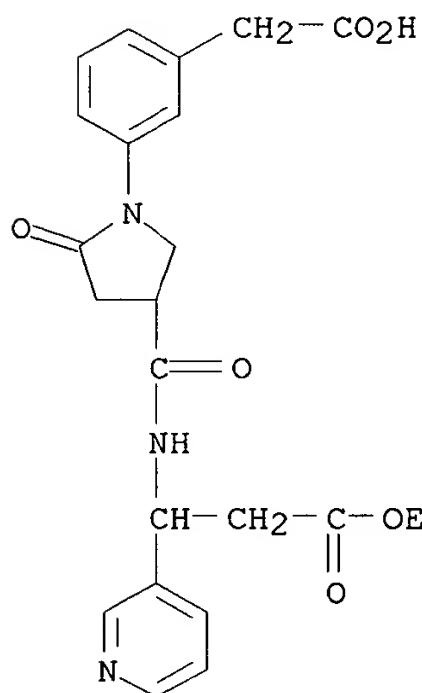
RN 345297-87-2 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[3-[2-oxo-2-(phenylmethoxy)ethyl]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



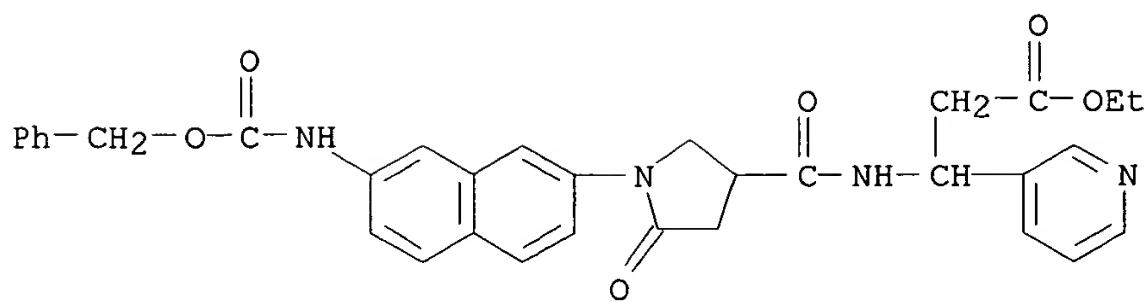
RN 345297-88-3 CAPLUS

CN 3-Pyridinepropanoic acid, .beta.-[[[1-[3-(carboxymethyl)phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, .alpha.-ethyl ester (9CI) (CA INDEX NAME)

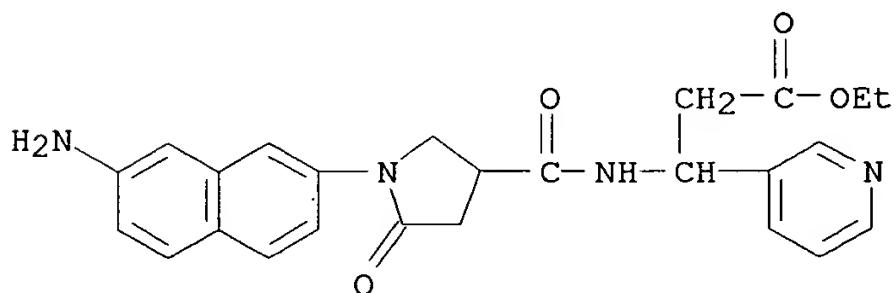


RN 345297-90-7 CAPLUS

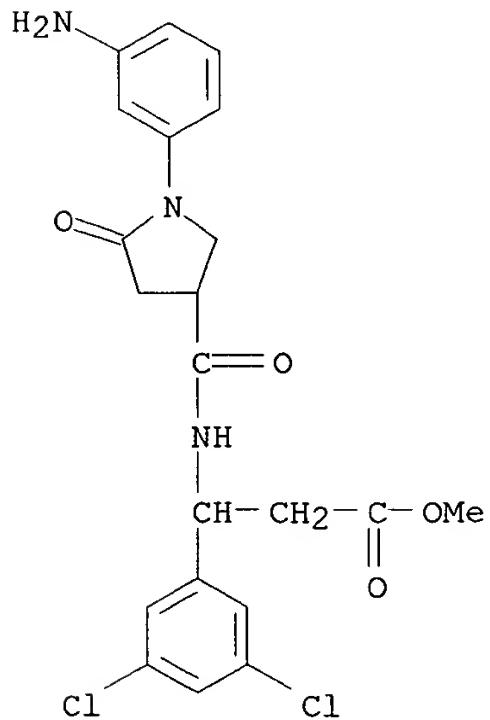
CN 3-Pyridinepropanoic acid, .beta.-[[[5-oxo-1-[7-[(phenylmethoxy)carbonyl]amino]-2-naphthalenyl]-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



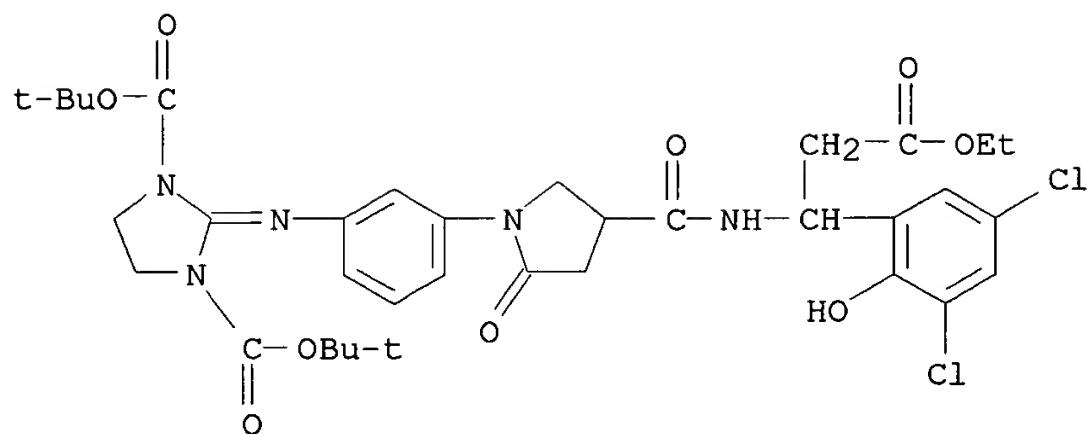
RN 345297-91-8 CAPLUS
 CN 3-Pyridinepropanoic acid, β -[[[1-(7-amino-2-naphthalenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-92-9 CAPLUS
 CN Benzenepropanoic acid, β -[[[1-(3-aminophenyl)-5-oxo-3-pyrrolidinyl]carbonyl]amino]-3,5-dichloro-, methyl ester (9CI) (CA INDEX NAME)

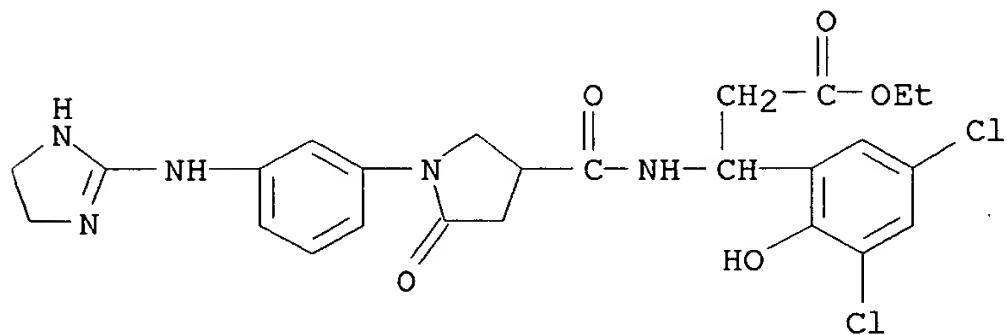


RN 345297-93-0 CAPLUS
 CN 1,3-Imidazolidinedicarboxylic acid, 2-[[3-[4-[[1-(3,5-dichloro-2-hydroxyphenyl)-3-ethoxy-3-oxopropyl]amino]carbonyl]-2-oxo-1-pyrrolidinyl]phenyl]imino]bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



RN 345297-94-1 CAPLUS

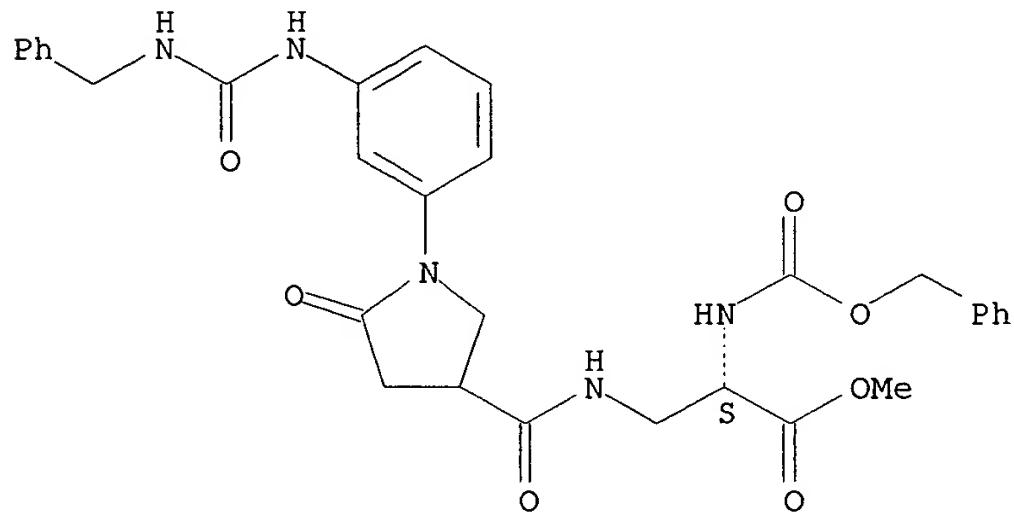
CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[1-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-2-hydroxy-, ethyl ester (9CI) (CA INDEX NAME)



RN 345297-95-2 CAPLUS

CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-[(phenylmethoxy)carbonyl]-, methyl ester (9CI) (CA INDEX NAME)

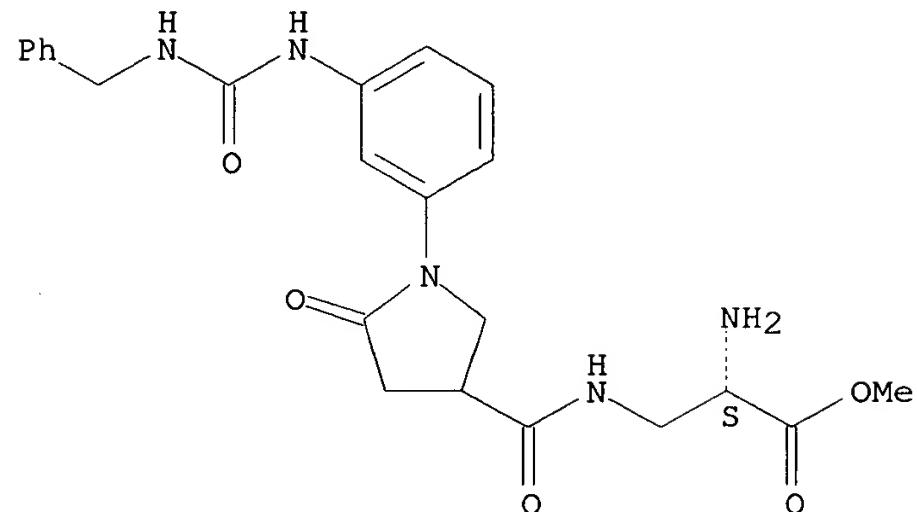
Absolute stereochemistry.



RN 345297-96-3 CAPLUS

CN L-Alanine, 3-[[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

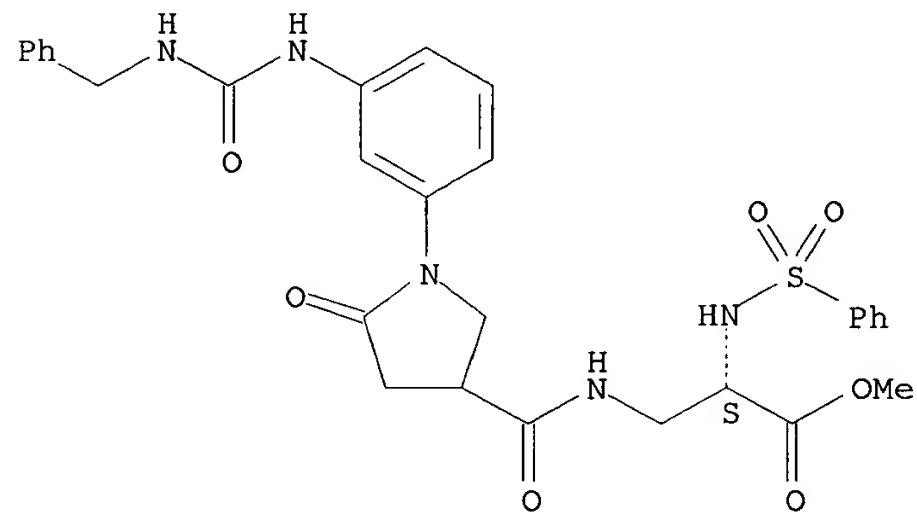
Absolute stereochemistry.



RN 345297-97-4 CAPLUS

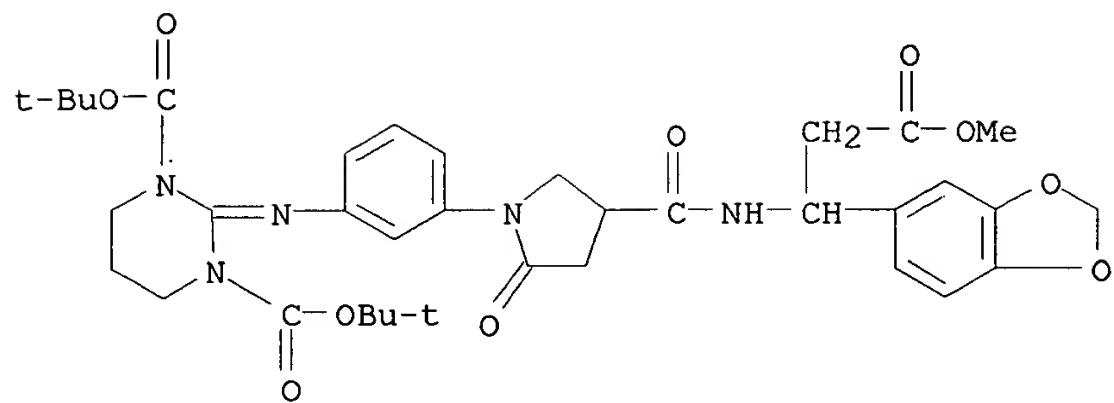
CN L-Alanine, 3-[[5-oxo-1-[3-[[[(phenylmethyl)amino]carbonyl]amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-N-(phenylsulfonyl)-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



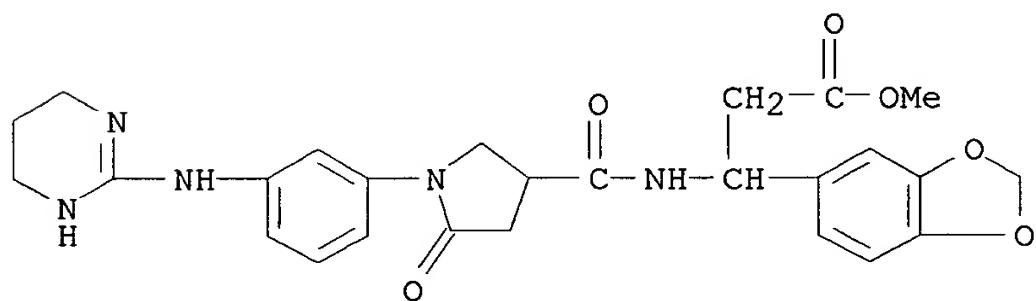
RN 345298-02-4 CAPLUS

CN 1,3(2H,4H)-Pyrimidinedicarboxylic acid, 2-[[3-[4-[[1-(1,3-benzodioxol-5-yl)-3-methoxy-3-oxopropyl]amino]carbonyl]-2-oxo-1-pyrrolidinylphenyl]imino]dihydro-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)



RN 345298-03-5 CAPLUS

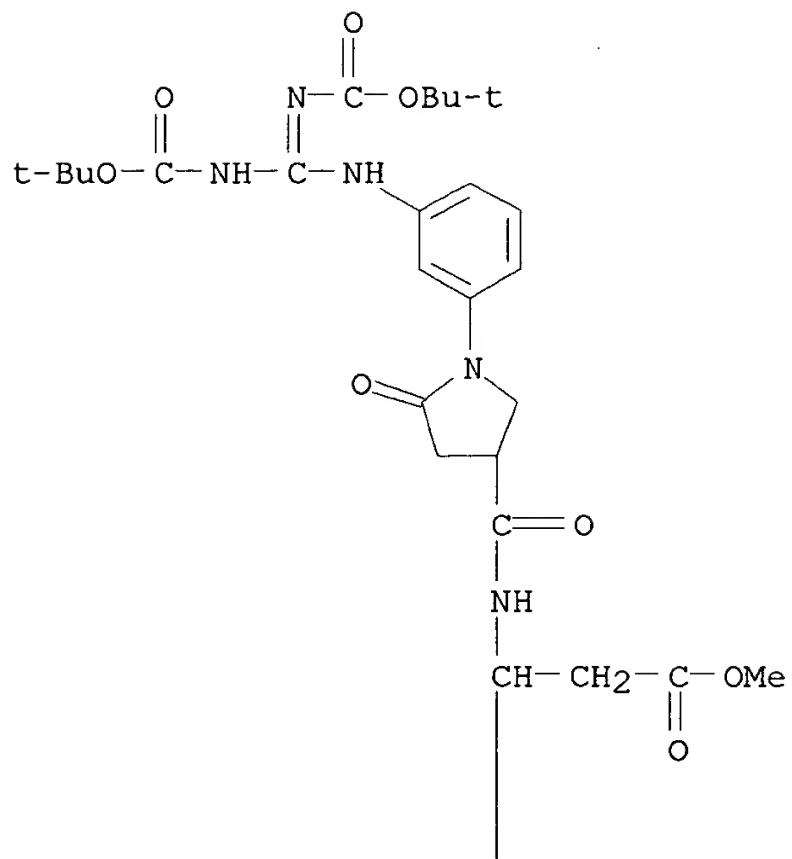
CN 1,3-Benzodioxole-5-propanoic acid, .beta.-[[[5-oxo-1-[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]phenyl]-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)



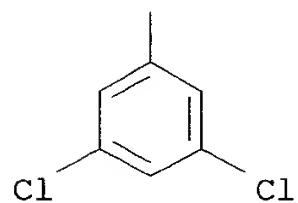
RN 345659-23-6 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[1-[3-[(E)-[(1,1-dimethylethoxy)carbonyl]amino][(1,1-dimethylethoxy)carbonyl]imino]methyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]-, methyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



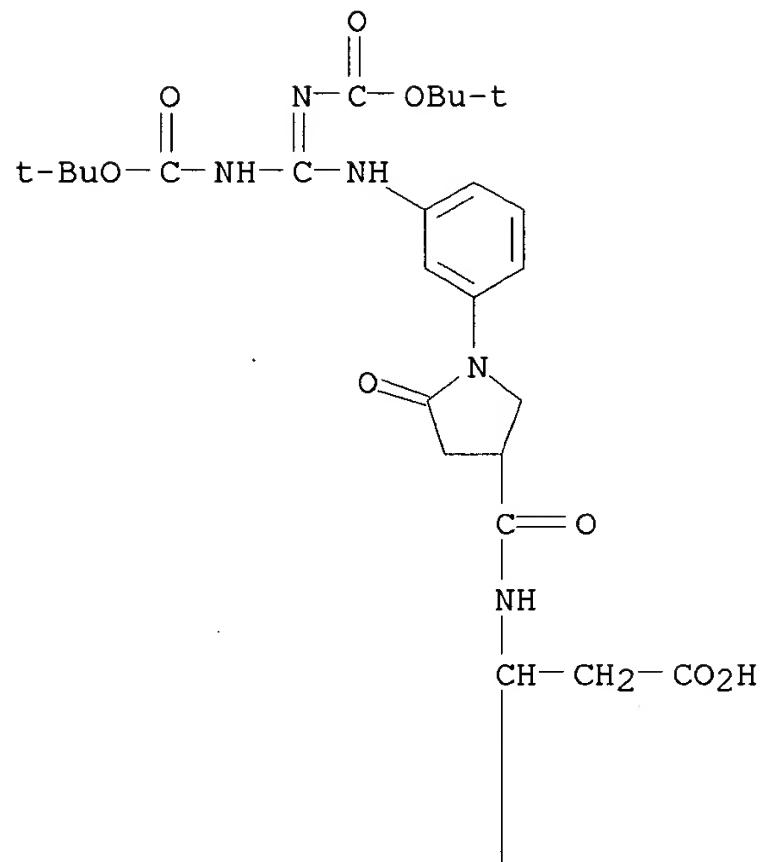
PAGE 2-A



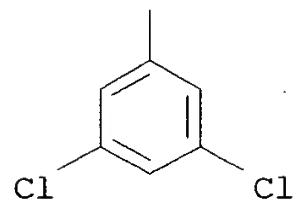
RN 345659-24-7 CAPLUS

CN Benzenepropanoic acid, 3,5-dichloro-.beta.-[[[[1-[3-[(E)-[[[(1,1-dimethylethoxy)carbonyl]amino][(1,1-dimethylethoxy)carbonyl]imino]methyl]amino]phenyl]-5-oxo-3-pyrrolidinyl]carbonyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



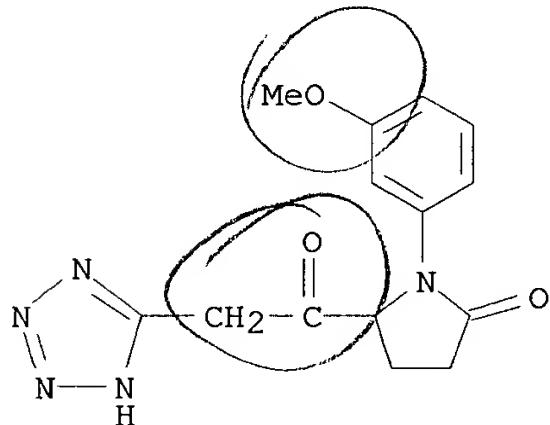
PAGE 2-A



RE.CNT 9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

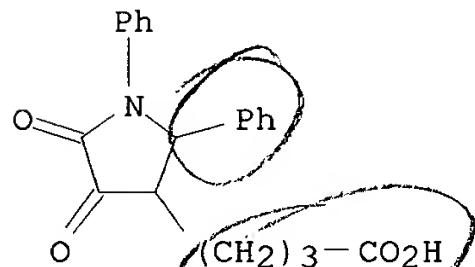
L7 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:314410 CAPLUS
 DN 135:180588
 TI The reaction of 2-(tetrazol-5-yl)alkyl ketones and of 2-(tetrazol-5-yl)alkanoic acid derivatives with lead tetraacetate. A novel method of preparation of alk-2-ynyl ketones and alk-2-ynoic acid derivatives
 AU Fetter, Jozsef; Nagy, Ildiko; Giang, Le Thanh; Kajtar-Peredy, Maria; Rockenbauer, Antal; Korecz, Laszlo; Czira, Gabor
 CS Department of Organic Chemistry, Budapest University of Technology and Economics, Budapest, H-1521, Hung.
 SO Journal of the Chemical Society, Perkin Transactions 1 (2001), (9), 1131-1139
 CODEN: JCSPCE; ISSN: 1472-7781
 PB Royal Society of Chemistry
 DT Journal
 LA English
 AB The majority of tetrazolylacetyl derivs. I ($n = 0, 1$) and II ($X = \text{Ph, EtO, NPhMe, etc.}$, $R1 = \text{H, Me, Ph, etc.}$, $R2 = \text{H, Me, R3 = 1-Me, H}$), when treated with lead tetraacetate in dry 1,4-dioxane at room or lower temp., are oxidized with elimination of mol. nitrogen mainly to the corresponding alkynoyl derivs. III and XCOC.tpbond.CR1 , resp. Vinylidenes have been shown to be the intermediates of the reaction. The reaction does not take place when either the tetrazolyl group is N-substituted or the carbon atom sepg. the tetrazolyl and the carbonyl groups is disubstituted or these two groups are sepd. by two carbon atoms. The reaction offers a convenient method for the conversion of 2-cyanoacetyl derivs. into alk-2-ynoyl derivs. via intermediate tetrazolylacetyl derivs. The 4-methoxyanilide II ($X = 4\text{-MeOC}_6\text{H}_4$, $R1 = R2 = R3 = \text{H}$) reacts differently, affording the fused heterocyclic compds. IV ($R = \text{H, OAc}$).
 IT 355116-16-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (oxidn.-elimination of tetrazolylalkyl ketones and -alkanoic acids with lead tetraacetate to alkynyl ketones and alkynoic acids)
 RN 355116-16-4 CAPLUS
 CN 2-Pyrrolidinone, 1-(3-methoxyphenyl)-5-(1H-tetrazol-5-ylacetyl)- (9CI)
 (CA INDEX NAME)



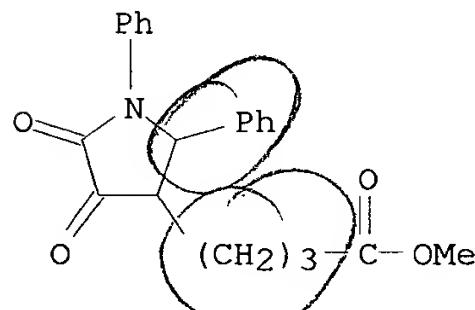
10

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

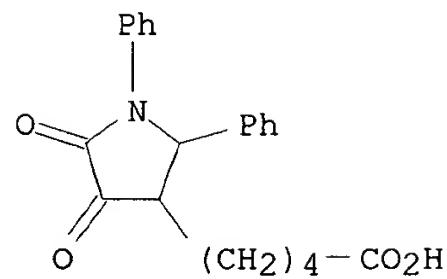
L7 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:3863 CAPLUS
 Correction of: 1998:516920
 DN 130:24934
 Correction of: 129:230599
 TI Ring opening reactions of 6-oxo-substituted spiro-pyrrolidinediones:
 synthesis of 4-substituted-1,5-dihydro-3-hydroxy-2-oxo-1,5-diphenyl-2H-pyrroles
 AU Emerson, David W.; Titus, Richard L.; Jones, Marlon D.
 CS Dep. Chem., Univ. Nevada, Las Vegas, NV, 89154-4003, USA
 SO Journal of Heterocyclic Chemistry (1998), 35(3), 611-617
 CODEN: JHTCAD; ISSN: 0022-152X
 PB HeteroCorporation
 DT Journal
 LA English
 OS CASREACT 130:24934
 AB Reaction of 2-oxocycloalkylglyoxylate esters with N-phenylmethyleneaniline yields 2-aza-3,4,6-trioxo-1,2-diphenylspiro[4.n]alkanes. These undergo solvolytic opening of the oxocycloalkane ring to yield 4-substituted-1,5-dihydro-3-hydroxy-2-oxo-1,5-diphenyl-2H-pyrroles.
 IT 212691-41-3P 212691-42-4P 212691-43-5P
 212691-44-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and ring opening of spirocycloalkanepyrrolidinetrione)
 RN 212691-41-3 CAPLUS
 CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



RN 212691-42-4 CAPLUS
 CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI) (CA INDEX NAME)

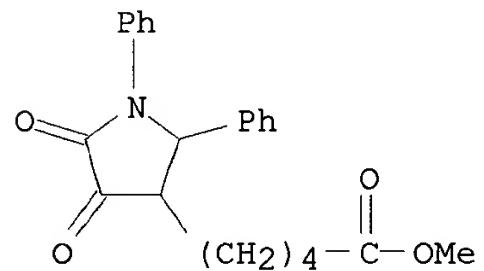


RN 212691-43-5 CAPLUS
 CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



RN 212691-44-6 CAPLUS

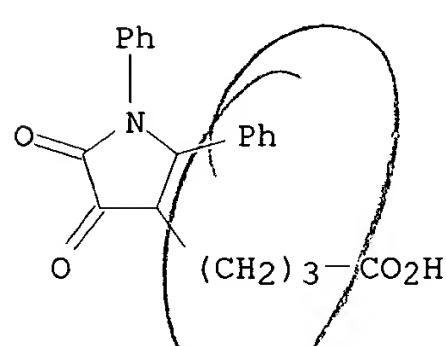
CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)
(CA INDEX NAME)



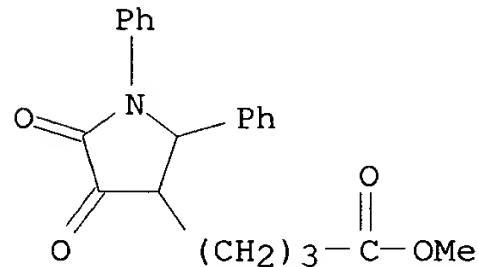
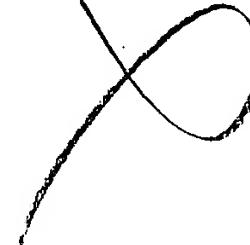
RE.CNT 23

THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

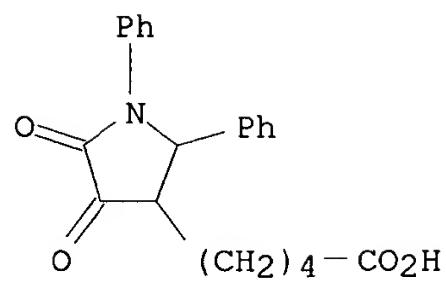
L7 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:516920 CAPLUS
 DN 129:230599
 TI Ring opening reactions of 6-oxo-substituted spiro-pyrrolidinediones:
 synthesis of 4-substituted-1,5-dihydro-3-hydroxy-2-oxo-1,5-diphenyl-2H-pyrroles
 AU Emerson, David W.; Titus, Richard L.; Mones, Marlon D.
 CS Dep. Chem., Univ. Nevada, Las Vegas, NV, 89154-4003, USA
 SO J. Heterocycl. Chem. (1998), 35(3), 611-617
 CODEN: JHTCAD; ISSN: 0022-152X
 PB HeteroCorporation
 DT Journal
 LA English
 OS CASREACT 129:230599
 AB Reaction of 2-oxocycloalkylglyoxylate esters with N-phenylmethyleneaniline yields 2-aza-3,4,6-trioxo-1,2-diphenylspiro[4.n]alkanes. These undergo solvolytic opening of the oxocycloalkane ring to yield 4-substituted-1,5-dihydro-3-hydroxy-2-oxo-1,5-diphenyl-2H-pyrroles.
 IT 212691-41-3P 212691-42-4P 212691-43-5P
 212691-44-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and ring opening of spirocycloalkanepyrrolidinetrione)
 RN 212691-41-3 CAPLUS
 CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



RN 212691-42-4 CAPLUS
 CN 3-Pyrrolidinebutanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)
 (CA INDEX NAME)

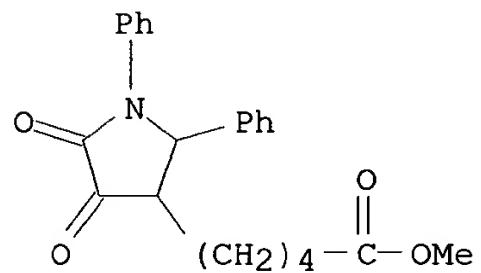


RN 212691-43-5 CAPLUS
 CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl- (9CI) (CA INDEX NAME)

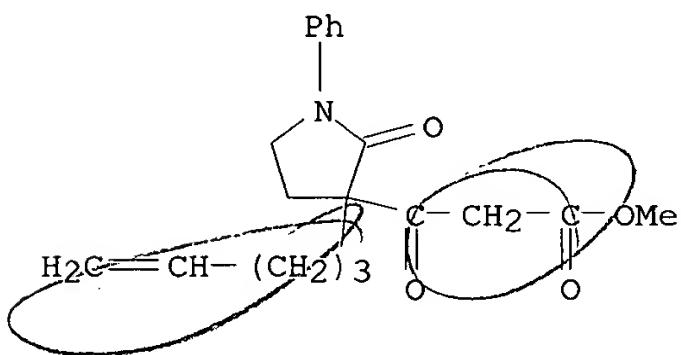


RN 212691-44-6 CAPLUS

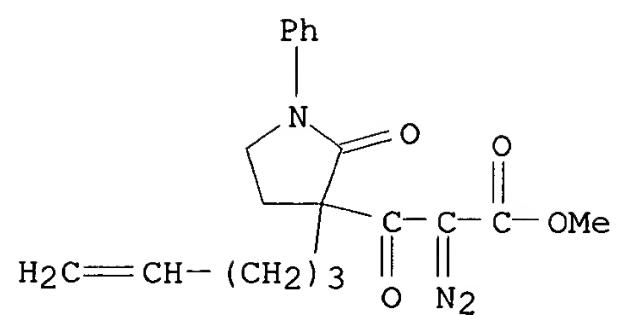
CN 3-Pyrrolidinepentanoic acid, 4,5-dioxo-1,2-diphenyl-, methyl ester (9CI)
(CA INDEX NAME)



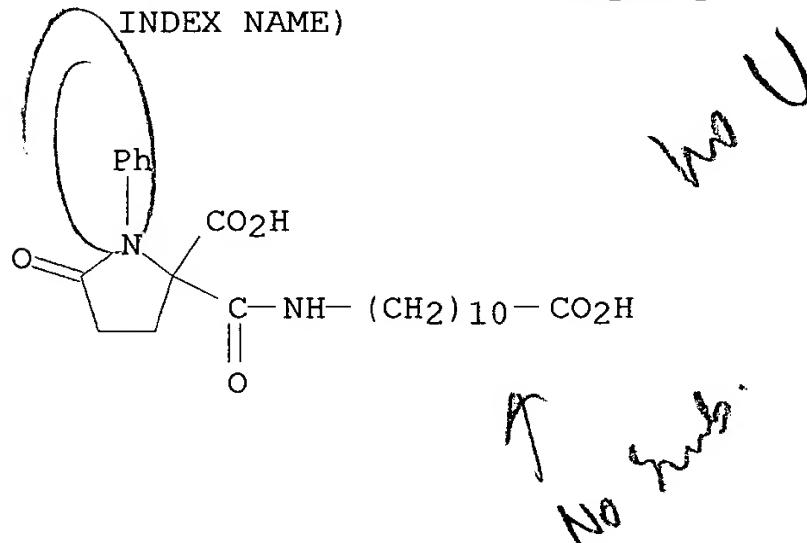
L7 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:48049 CAPLUS
 DN 128:61672
 TI Synthesis of the Pentacyclic Skeleton of the Aspidosperma Alkaloids Using Rhodium Carbenoids as Reactive Intermediates
 AU Padwa, Albert; Price, Alan T.
 CS Department of Chemistry, Emory University, Atlanta, GA, 30322, USA
 SO J. Org. Chem. (1998), 63(3), 556-565
 CODEN: JOCEAH; ISSN: 0022-3263
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 128:61672
 AB A series of diazo amido keto esters prep'd. from N-alkenyl-substituted 3-carbalkoxy-2-piperidone derivs. was treated with rhodium(II) acetate. Attack of the amido carbonyl oxygen at the resultant rhodium carbenoid center produced a transient push-pull carbonyl ylide dipole which underwent an intramol. dipolar cycloaddn. reaction. A related annulation sequence was used to prep. the pentacyclic skeleton of the aspidosperma family of alkaloids. Synthesis of the required diazo imide was carried out from 3-carboxy-3-ethyl-2-piperidone and N-methyl-3-indoleacetic acid. Treatment of the diazo imide with rhodium(II) acetate afforded a transient 1,3-dipole which subsequently underwent cycloaddn. across the indole .pi.-bond. The resulting cycloadduct is the consequence of endo cycloaddn. with respect to the dipole which is fully in accord with the lowest energy transition state. The cycloadduct was converted in three steps into desacetoxy-4-oxo-6,7-dihydrovindorosine. The stereochem. of the final product was established by a X-ray crystallog. study.
 IT 199326-66-4P 199326-73-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of the pentacyclic skeleton of the aspidosperma alkaloids using rhodium carbenoids as reactive intermediates)
 RN 199326-66-4 CAPLUS
 CN 3-Pyrrolidinepropanoic acid, .beta.,2-dioxo-3-(4-pentenyl)-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



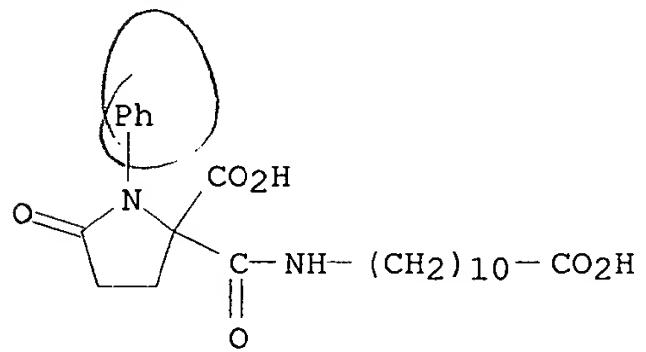
RN 199326-73-3 CAPLUS
 CN 3-Pyrrolidinepropanoic acid, .alpha.-diazo-.beta.,2-dioxo-3-(4-pentenyl)-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



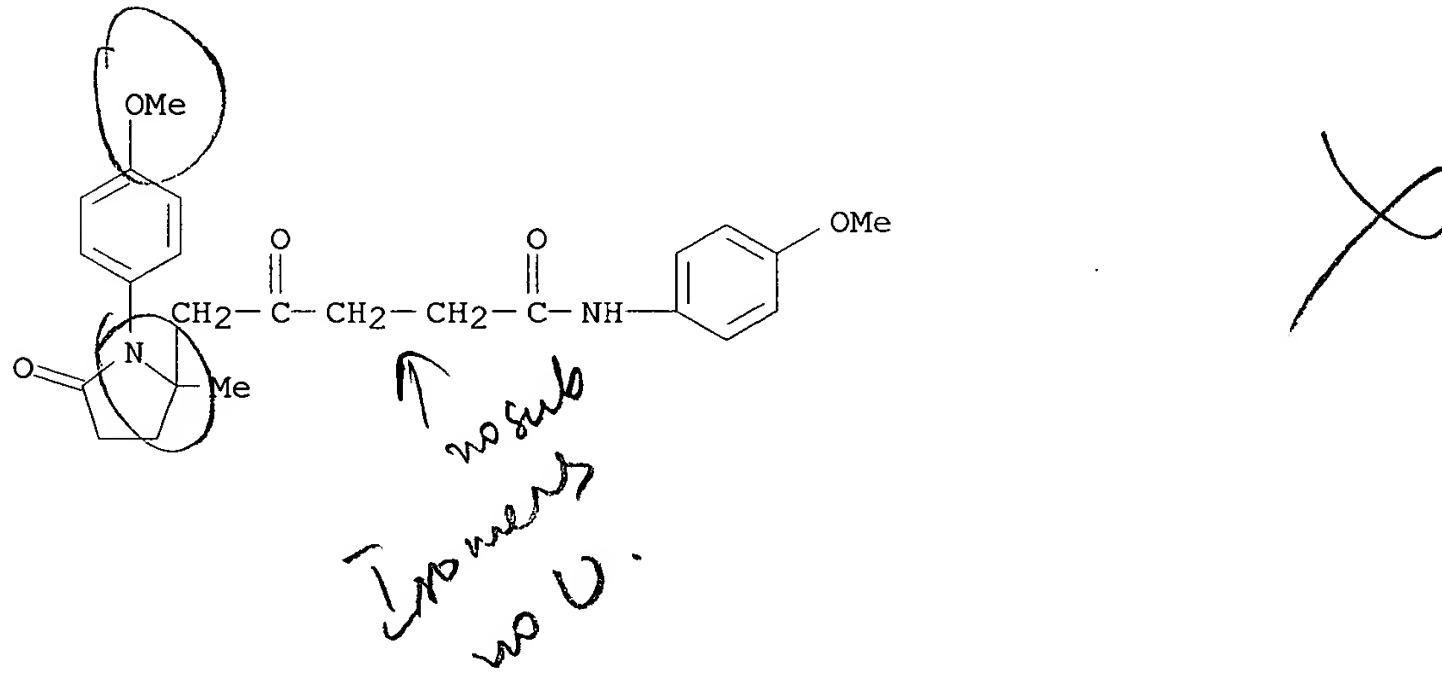
L7 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:336272 CAPLUS
 DN 127:50957
 TI Exploitation of the Ugi 4CC reaction: preparation of small molecule combinatorial libraries via solid phase
 AU Short, Kevin M.; Ching, Brett W.; Majali, Adnan M. M.
 CS Ontogen Corp., Carlsbad, CA, 92009, USA
 SO Tetrahedron (1997), 53(19), 6653-6679
 CODEN: TETRAB; ISSN: 0040-4020
 PB Elsevier
 DT Journal
 LA English
 OS CASREACT 127:50957
 AB The potential of the Ugi 4-component condensation reaction has been explored with regard to the prepn. of large combinatorial libraries of small org. mol. of varying structures. These include small-ring lactams, .alpha.- (dialkylamino)amides, hydantoin 4-imides, 2-thiohydantoin 4-imides and 5-(1'-aminoalkyl)tetrazoles.
 IT 187999-74-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (Ugi 4-component condensation in solid-phase prepn. of small mol. combinatorial libraries)
 RN 187999-74-2 CAPLUS
 CN Proline, 2-[(10-carboxydecyl)amino]carbonyl-5-oxo-1-phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1997:81277 CAPLUS
 DN 126:211976
 TI A solid-phase combinatorial method for the synthesis of novel 5- and 6-membered ring lactams
 AU Short, Kevin M.; Majalli, Adnan M. M.
 CS Ontogen Corp., Carlsbad, CA, 92009, USA
 SO Tetrahedron Lett. (1997), 38(3), 359-362
 CODEN: TELEAY; ISSN: 0040-4039
 PB Elsevier
 DT Journal
 LA English
 AB The synthesis of small-ring lactams I [R1 = CH2Ph, n-Bu, n-C11H23, CH2C.tplbond.CH; R2 = n-Bu, (CH2)_nCO2H; R3 = Me, 4-BrC6H4, Ph, CO2H; n = 10, 5, 2], via the condensation of .omega.-keto acids R3CO(CH2)_mCH2CO2H (m = 1, 2), isocyanides R2NC and amines R1NH2 is reported. This process is shown to proceed well in a combinatorial fashion, by immobilization of the isocyanide component on Wang resin. The product is then released from the support on treatment with 10% TFA/CH2Cl2.
 IT 187999-74-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (solid-phase combinatorial method for prepn. of lactams)
 RN 187999-74-2 CAPLUS
 CN Proline, 2-[[[10-carboxydecyl]amino]carbonyl]-5-oxo-1-phenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1996:457592 CAPLUS
 DN 125:195238
 TI Simple and condensed β -lactams. Part 27. Reaction of 1-(4-methoxyphenyl)-4-(tetrazol-5-yl)azetidin-2-one and 1-(4-methoxyphenyl)-5-(tetrazol-5-ylmethyl)pyrrolidin-2-one with cerium(IV) ammonium nitrate (CAN)
 AU Giang, Le Thanh; Fetter, Jozsef; Lempert, Karoly; Kajtar-Peregy, Maria; Gomory, Agnes
 CS Dep. of Organic Chemistry, Technical Univ. Budapest, Budapest, H-1521, Hung.
 SO Tetrahedron (1996), 52(30), 10169-10184
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 OS CASREACT 125:195238
 AB Treatment of pyrrolidinone I with CAN under the usual conditions leads to formation of spiro compd. II, rather than to N-demethoxyphenylation. A study of the reactions of compd. II with sodium chloride and sodium iodide furnished the proof for the assumption that the related non-isolable compds. III (X = CH₂, bond) are the intermediates of the anomalous reactions of compds. IV (X = CH₂, bond) with CAN.
 IT 180629-14-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (reaction of 1-(4-methoxyphenyl)-4-(tetrazol-5-yl)azetidin-2-one and 1-(4-methoxyphenyl)-5-(tetrazol-5-ylmethyl)pyrrolidin-2-one with cerium(IV) ammonium nitrate)
 RN 180629-14-5 CAPLUS
 CN 2-Pyrrolidinepentanamide, N,1-bis(4-methoxyphenyl)-2-methyl-.gamma.,5-dioxo- (9CI) (CA INDEX NAME)



L7 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1995:792576 CAPLUS
 DN 123:199399
 TI Preparation of N-[1-(4-amidinophenyl)-2-oxo-3-pyrrolidinyl- and
 -piperidinylacetyl]aminoalkanoates as platelet aggregation inhibitors
 IN Abood, Norman Anthony; Flynn, Daniel Lee; Garland, Robert Bruce;
 Schretzman, Lori Ann; Williams, Kenneth; Zablocki, Jeffery Alan;
 Hockerman, Susan Landis
 PA G.D. Searle and Co., USA
 SO PCT Int. Appl., 169 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

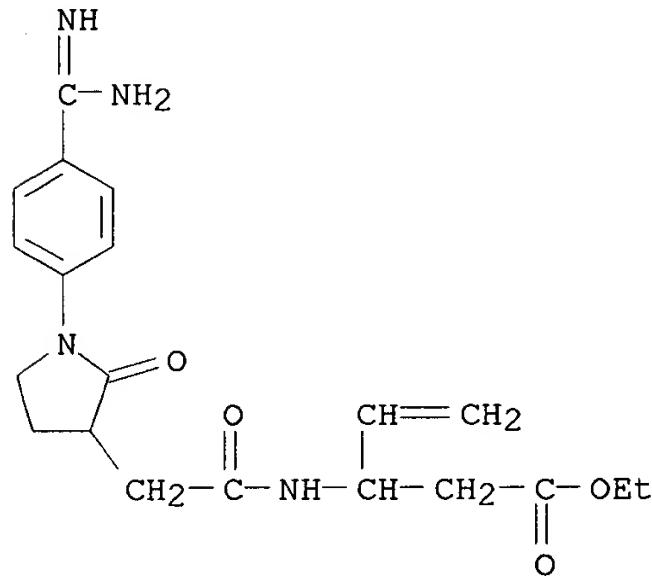
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--------------|--------------|-----------------|----------|
| PI | WO 9422820 | A1 | 19941013 | WO 1994-US3259 | 19940330 |
| | W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TT, UA, US, UZ, VN RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2159450 | AA | 19941013 | CA 1994-2159450 | 19940330 |
| | AU 9465522 | A1 | 19941024 | AU 1994-65522 | 19940330 |
| | AU 681396 | B2 | 19970828 | | |
| | EP 691953 | A1 | 19960117 | EP 1994-913308 | 19940330 |
| | EP 691953 | B1 | 20000802 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE | | | | |
| | CN 1124957 | A | 19960619 | CN 1994-192290 | 19940330 |
| | CN 1054842 | B | 20000726 | | |
| | JP 08508732 | T2 | 19960917 | JP 1994-522208 | 19940330 |
| | JP 3034046 | B2 | 20000417 | | |
| | AT 195117 | E | 20000815 | AT 1994-913308 | 19940330 |
| | ES 2150489 | T3 | 20001201 | ES 1994-913308 | 19940330 |
| | US 5721366 | A | 19980224 | US 1995-436404 | 19950523 |
| | FI 9504609 | A | 19951023 | FI 1995-4609 | 19950928 |
| | NO 9503844 | A | 19951120 | NO 1995-3844 | 19950928 |
| PRAI | US 1993-41433 | A | 19930331 | | |
| | WO 1994-US3259 | W | 19940330 | | |
| OS | MARPAT 123:199399 | | | | |
| AB | Title compds. [I; R1 = H, (cyclo)alkyl, aryl, etc.; R2 = H, (cyclo)alkyl, heterocycl, aryl, etc.; R3 = H, alkyl, halo, alkoxy, etc.; X = CONH, NHCONH; Z1, Z2 = H, OH, halo, alkyl(oxy); m = 1-4; n = 0-4; p = 0 or 1] were prep'd. Thus, 4-(NC)C ₆ H ₄ NH ₂ was cyclocondensed with Br(CH ₂) ₂ COCl and the product alkylated by BrCH ₂ CO ₂ CMe ₃ to give, after sapon. and resoln., (-)-1-(4-cyanophenyl)-2-pyrrolidinone-3-acetic acid which was amidated by Et (3S)-vinyl-.beta.-alanine to give, in 4 addnl. steps, title compd. enantiomeric II. The latter had IC ₅₀ of 0.055. μ M against human platelet aggregation in vitro. | | | | |
| IT | 167833-16-1P | 167833-17-2P | 167833-18-3P | | |
| | 167833-19-4P | 167833-20-7P | 167833-21-8P | | |
| | 167833-22-9P | 167833-23-0P | 167833-24-1P | | |
| | 167833-26-3P | 167833-27-4P | 167833-28-5P | | |
| | 167833-29-6P | 167833-30-9P | 167833-31-0P | | |
| | 167833-32-1P | 167833-33-2P | 167833-34-3P | | |
| | 167833-35-4P | 167833-36-5P | 167833-37-6P | | |
| | 167833-38-7P | 167833-41-2P | 167833-43-4P | | |
| | 167833-90-1P | 167833-91-2P | | | |

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-[1-(4-amidinophenyl)-2-oxo-3-pyrrolidinyl- and -piperidinylacetyl]aminoalkanoates as platelet aggregation inhibitors)

RN 167833-16-1 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



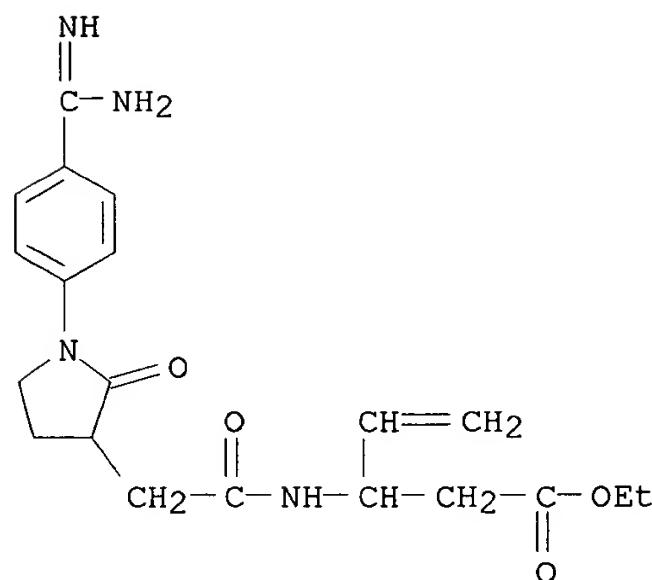
RN 167833-17-2 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

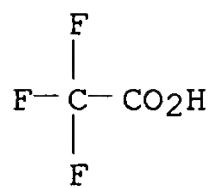
CRN 167833-16-1

CMF C20 H26 N4 O4

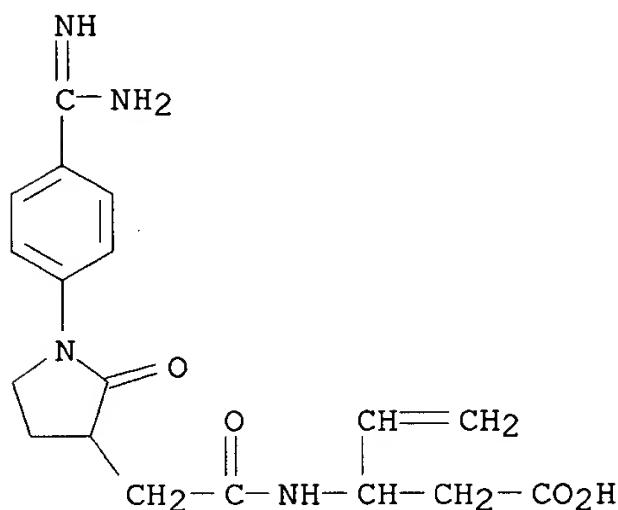


CM 2

CRN 76-05-1
 CMF C2 H F3 O2

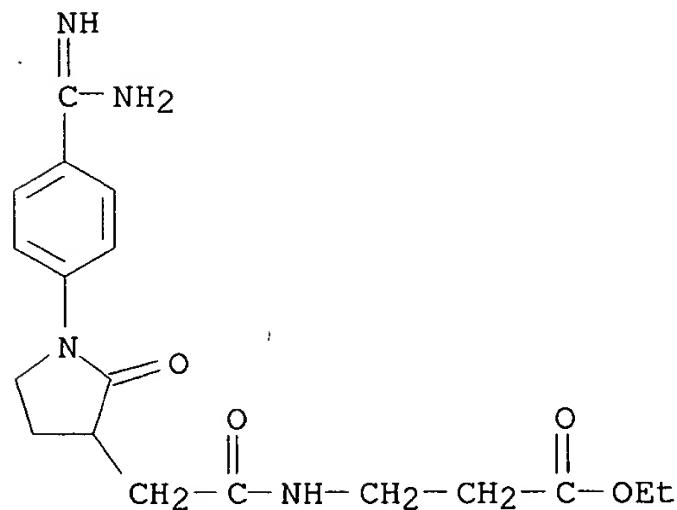


RN 167833-18-3 CAPLUS
 CN 4-Pentenoic acid, 3-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 167833-19-4 CAPLUS
 CN β -Alanine, N-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]-, ethyl ester (9CI) (CA INDEX NAME)

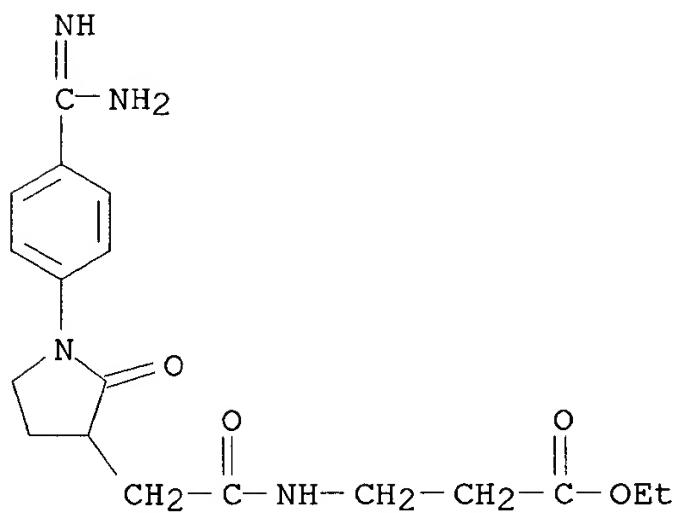


RN 167833-20-7 CAPLUS

CN .beta.-Alanine, N-[(1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl)acetyl]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

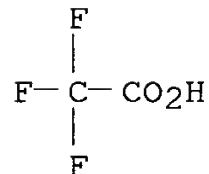
CM 1

CRN 167833-19-4
CMF C18 H24 N4 O4

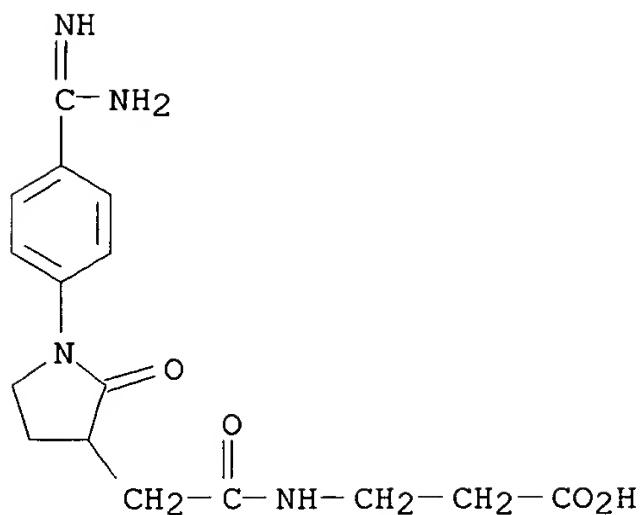


CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 167833-21-8 CAPLUS
CN .beta.-Alanine, N-[(1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl)acetyl]- (9CI) (CA INDEX NAME)



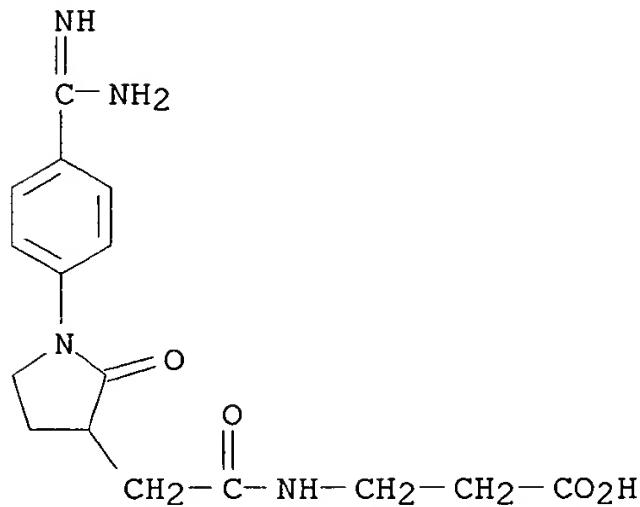
RN 167833-22-9 CAPLUS

CN .beta.-Alanine, N-[(1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl)acetyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-21-8

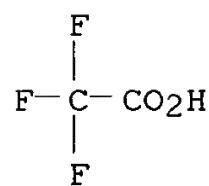
CMF C16 H20 N4 O4



CM 2

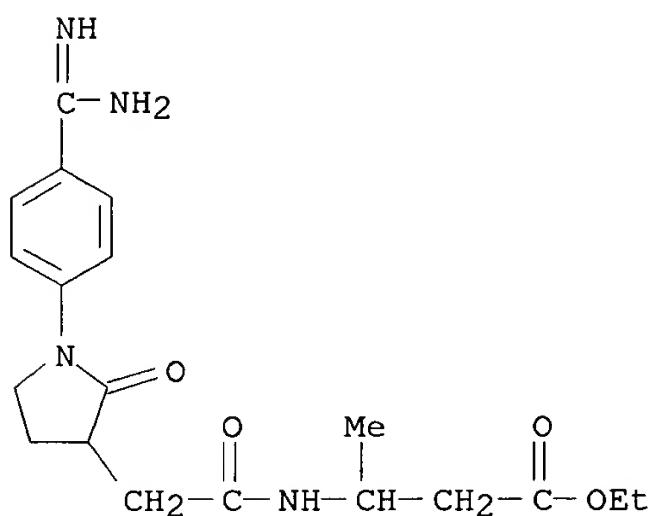
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-23-0 CAPLUS

CN Butanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



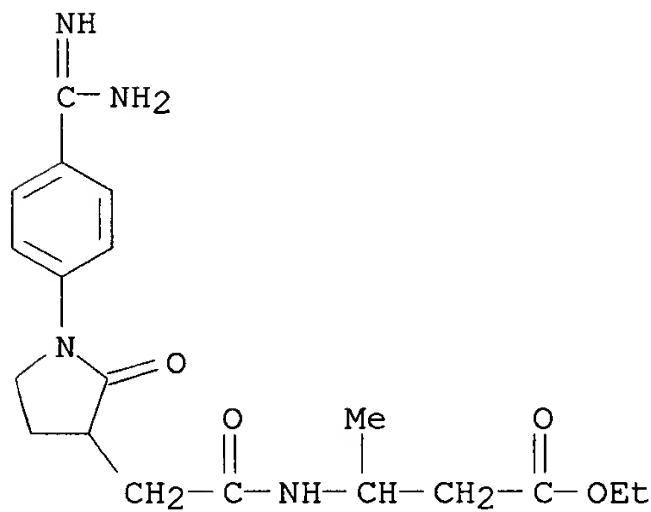
RN 167833-24-1 CAPLUS

CN Butanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-23-0

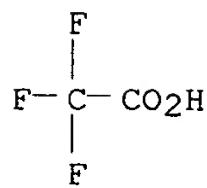
CMF C₁₉ H₂₆ N₄ O₄



CM 2

CRN 76-05-1

CMF C₂ H F₃ O₂



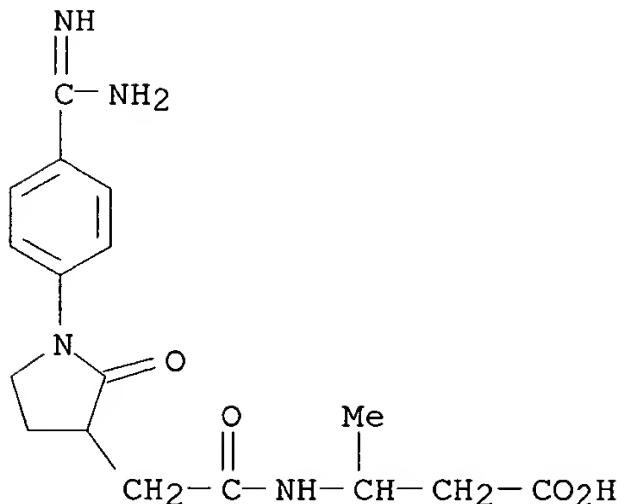
RN 167833-26-3 CAPLUS

CN Butanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-25-2

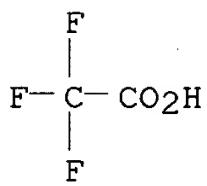
CMF C17 H22 N4 O4



CM 2

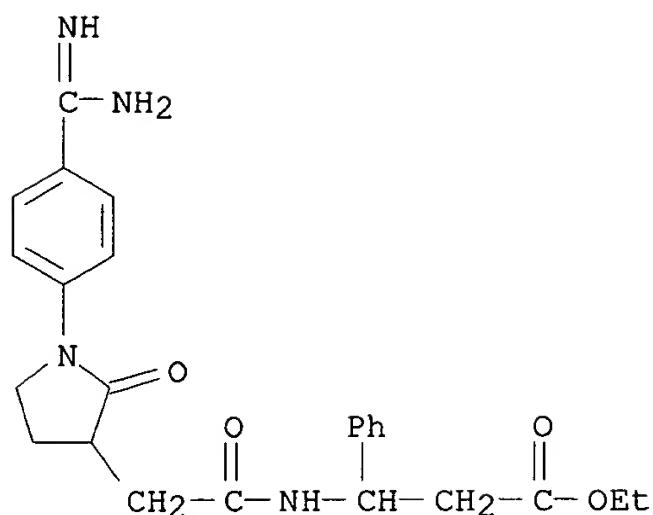
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-27-4 CAPLUS

CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



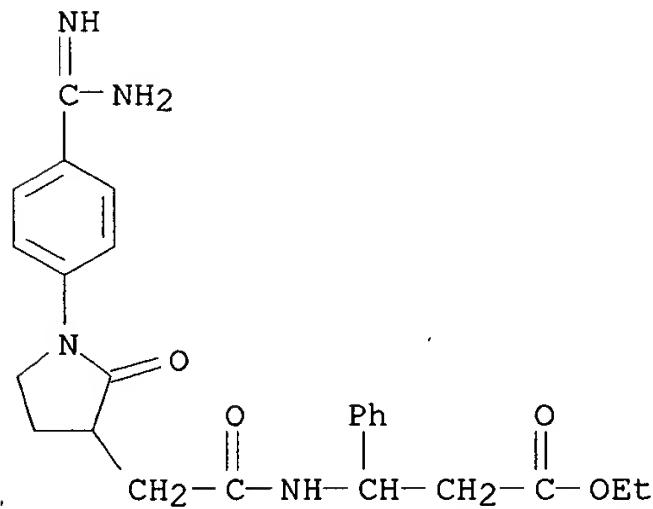
RN 167833-28-5 CAPLUS

CN Benzene propanoic acid, β -[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI)
(CA INDEX NAME)

CM 1

CRN 167833-27-4

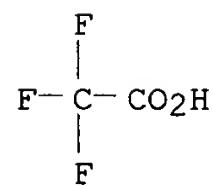
CMF C24 H28 N4 O4



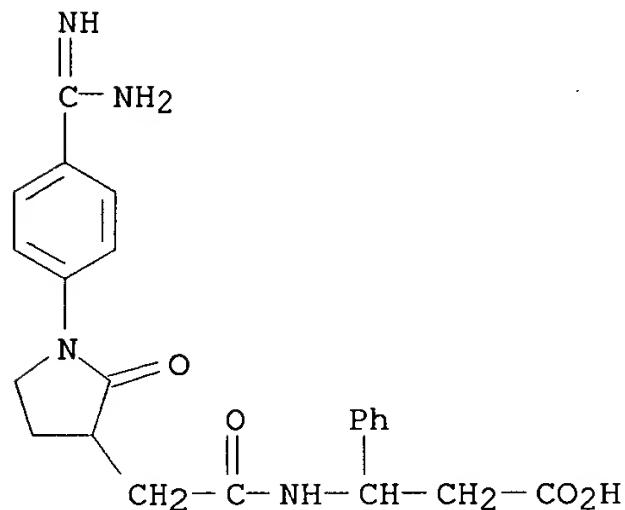
CM 2

CRN 76-05-1

CMF C2 H F3 O2



RN 167833-29-6 CAPLUS

CN Benzenepropanoic acid, β -[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]- (9CI) (CA INDEX NAME)

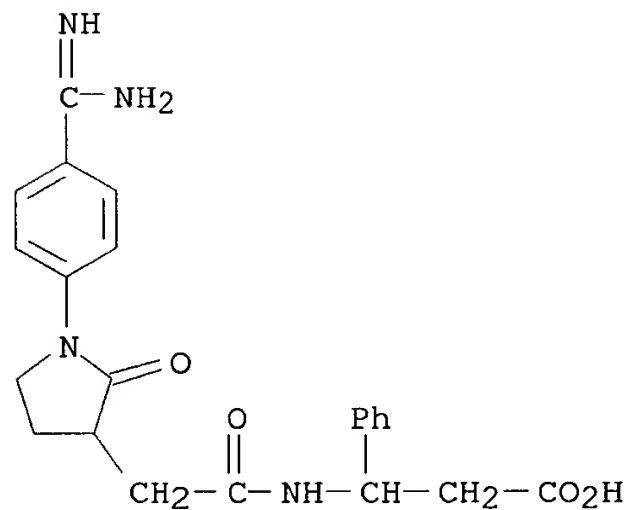
RN 167833-30-9 CAPLUS

CN Benzenepropanoic acid, β -[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-29-6

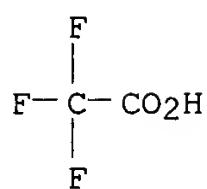
CMF C22 H24 N4 O4



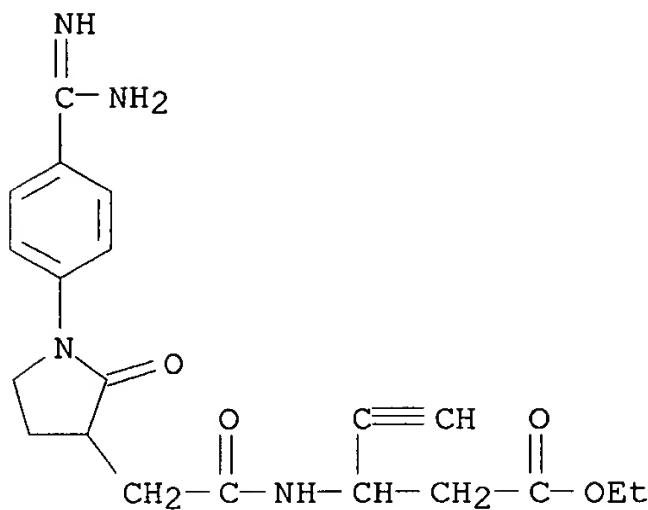
CM 2

CRN 76-05-1

CMF C2 H F3 O2



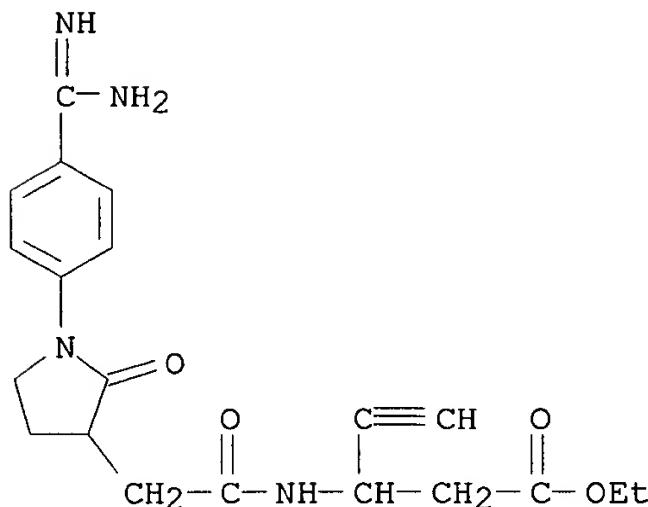
RN 167833-31-0 CAPLUS
 CN 4-Pentyanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167833-32-1 CAPLUS
 CN 4-Pentyanoic acid, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

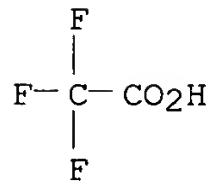
CM 1

CRN 167833-31-0
 CMF C20 H24 N4 O4

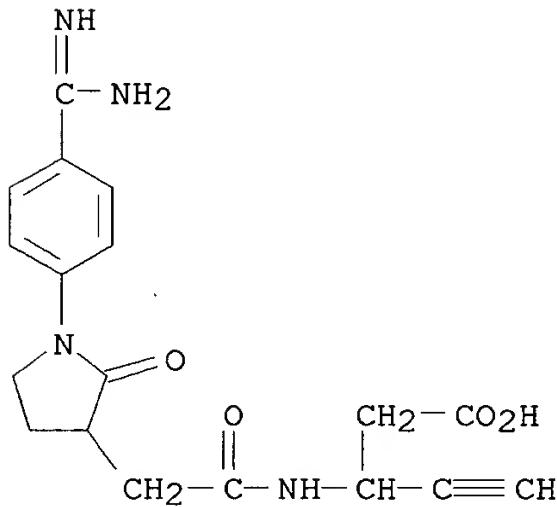


CM 2

CRN 76-05-1
 CMF C2 H F3 O2



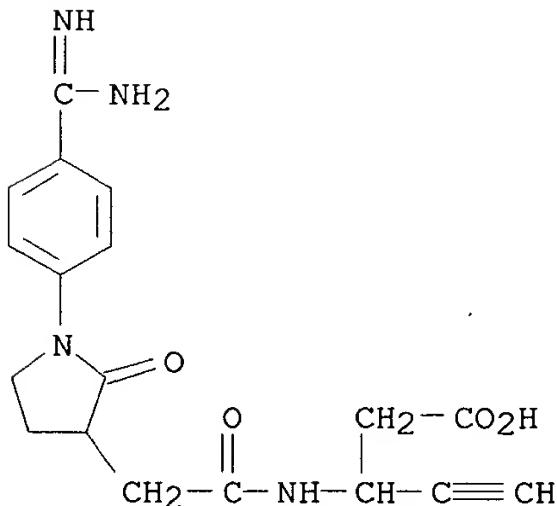
RN 167833-33-2 CAPLUS
 CN 4-Pentyanoic acid, 3-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]- (9CI) (CA INDEX NAME)



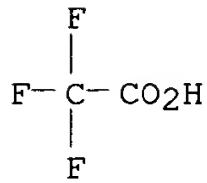
RN 167833-34-3 CAPLUS
 CN 4-Pentyanoic acid, 3-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-33-2
 CMF C18 H20 N4 O4

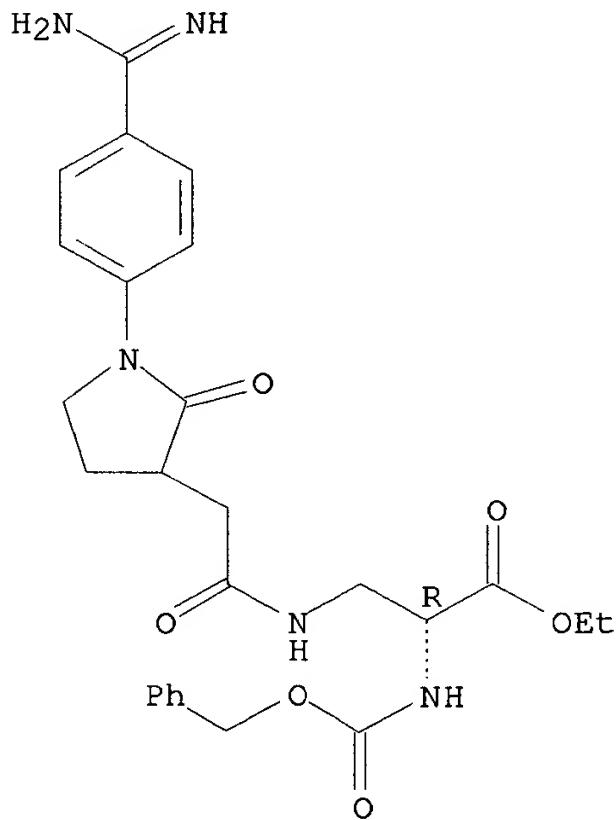


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 167833-35-4 CAPLUS
 CN L-Alanine, 3-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

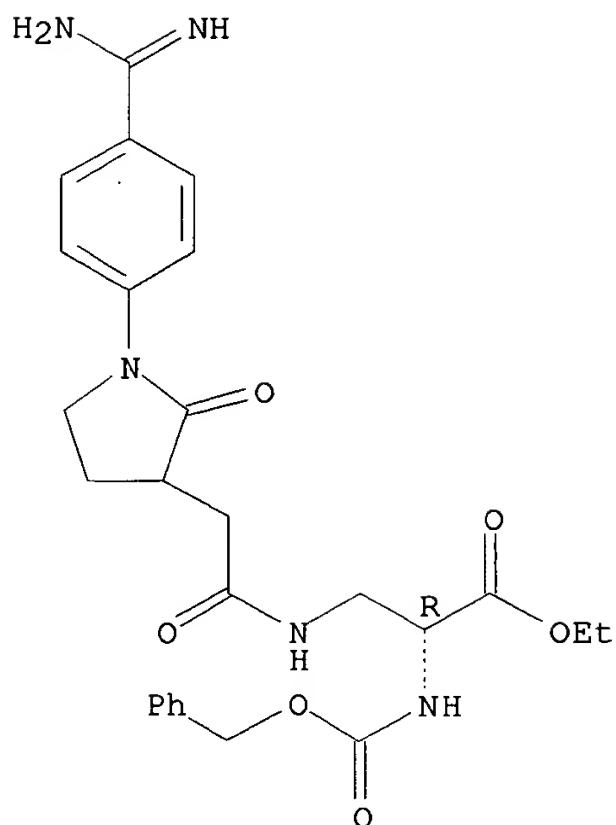


RN 167833-36-5 CAPLUS
 CN L-Alanine, 3-[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-35-4
CMF C26 H31 N5 O6
CDES 5:L

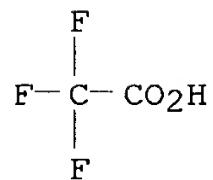
Absolute stereochemistry.



CM 2

CRN 76-05-1

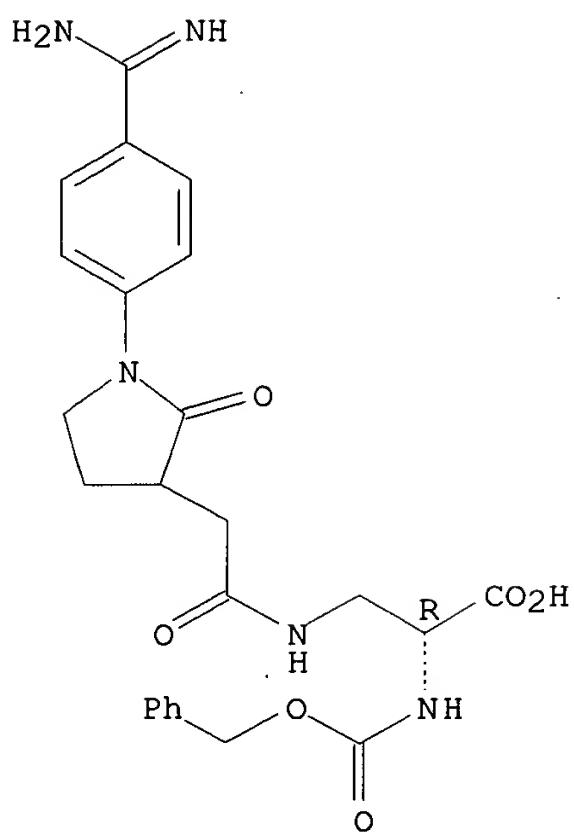
CMF C2 H F3 O2



RN 167833-37-6 CAPLUS

CN L-Alanine, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 167833-38-7 CAPLUS

CN L-Alanine, 3-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

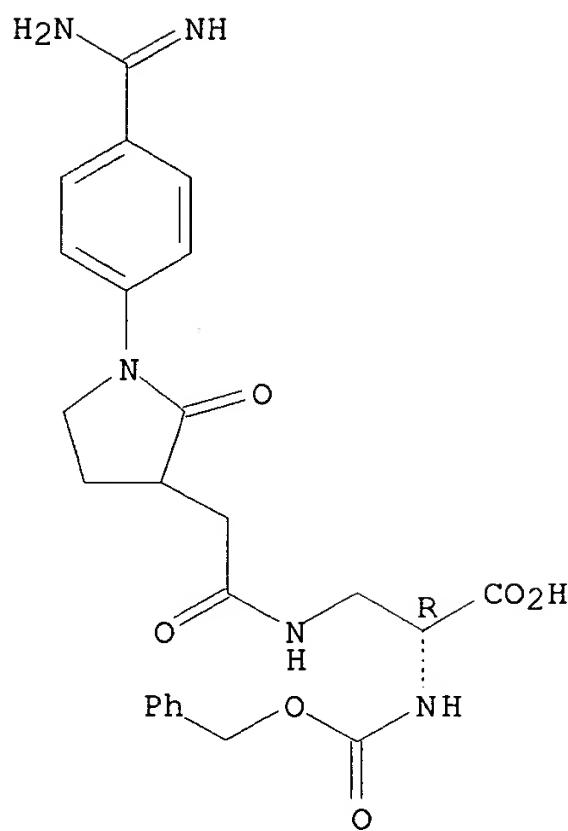
CM 1

CRN 167833-37-6

CMF C24 H27 N5 O6

CDES 5:L

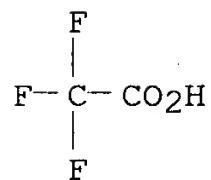
Absolute stereochemistry.



CM 2

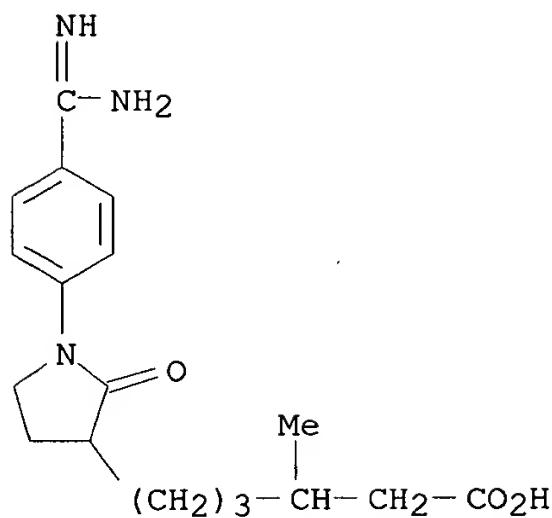
CRN 76-05-1

CMF C2 H F3 O2



RN 167833-41-2 CAPLUS

CN 3-Pyrrolidinehexanoic acid, 1-[4-(aminoiminomethyl)phenyl]-.beta.-methyl-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

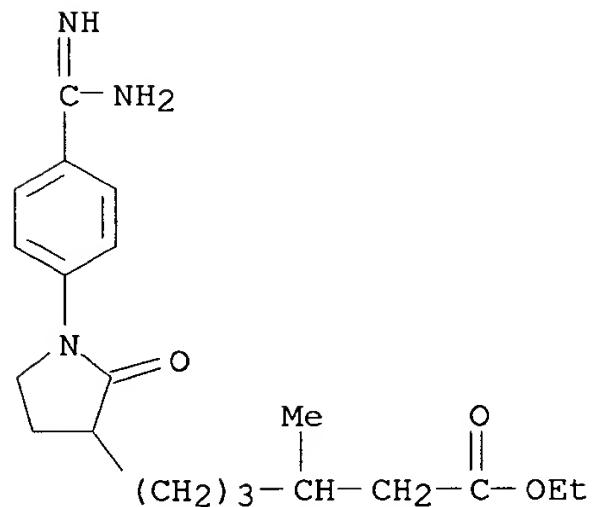
RN 167833-43-4 CAPLUS

CN 3-Pyrrolidinehexanoic acid, 1-[4-(aminoiminomethyl)phenyl]-.beta.-methyl-2-oxo-, ethyl ester, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 167833-42-3

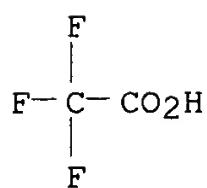
CMF C₂₀ H₂₉ N₃ O₃



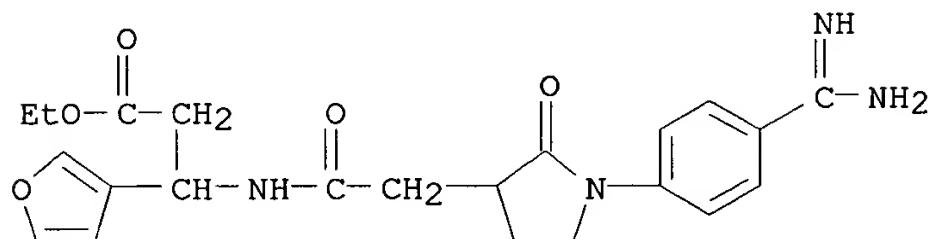
CM 2

CRN 76-05-1

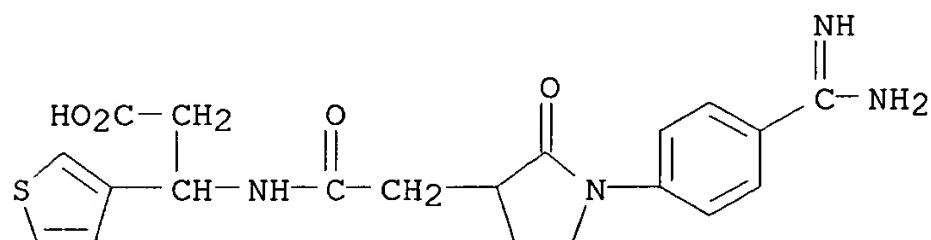
CMF C₂ H F₃ O₂



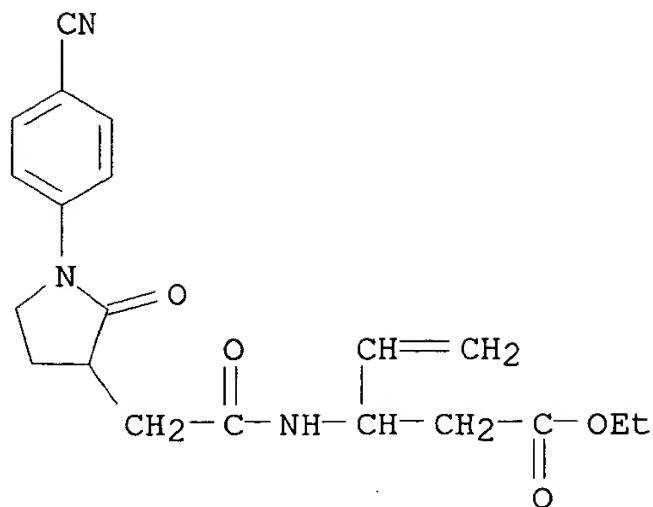
RN 167833-90-1 CAPLUS
 CN 3-Furanpropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167833-91-2 CAPLUS
 CN 3-Thiophenepropanoic acid, .beta.-[[[1-[4-(aminoiminomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]- (9CI) (CA INDEX NAME)

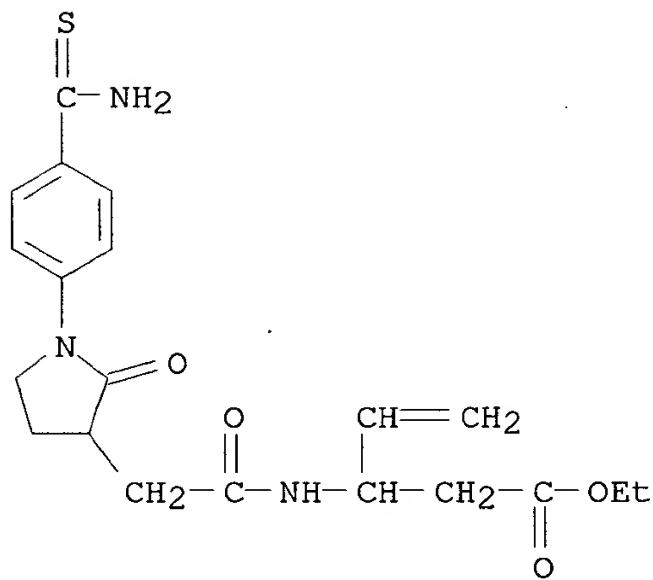


IT 167833-96-7P 167833-97-8P 167833-98-9P
 167834-03-9P 167834-04-0P 167834-05-1P
 167834-06-2P 167834-14-2P 167834-15-3P
 167834-27-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prep. of N-[1-(4-amidinophenyl)-2-oxo-3-pyrrolidinyl- and
 -piperidinylacetyl]aminoalkanoates as platelet aggregation inhibitors)
 RN 167833-96-7 CAPLUS
 CN 4-Pentenoic acid, 3-[[[1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



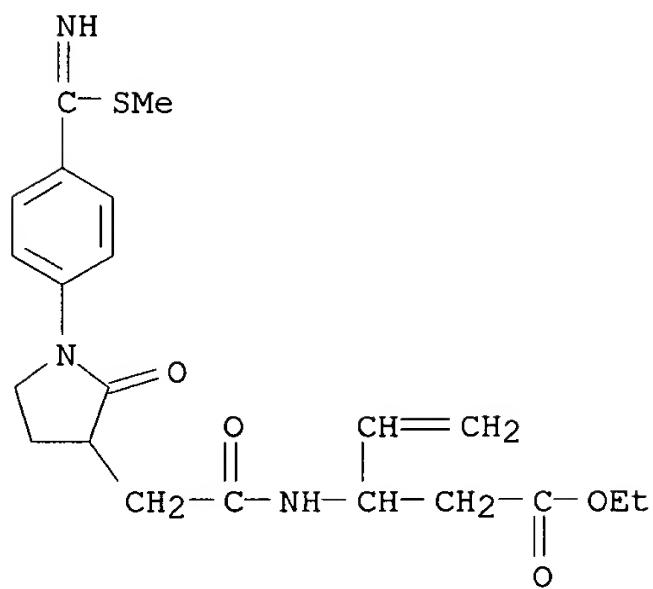
RN 167833-97-8 CAPLUS

CN 4-Pentenoic acid, 3-[[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167833-98-9 CAPLUS

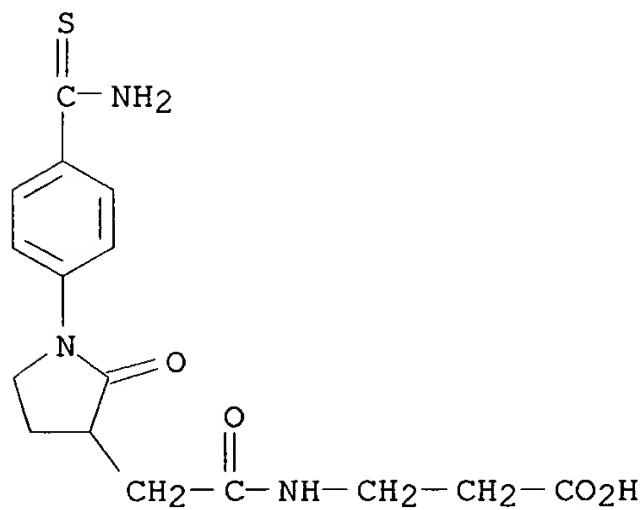
CN 4-Pentenoic acid, 3-[[[1-[4-[imino(methylthio)methyl]phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester, monohydrate (9CI) (CA INDEX NAME)



● HI

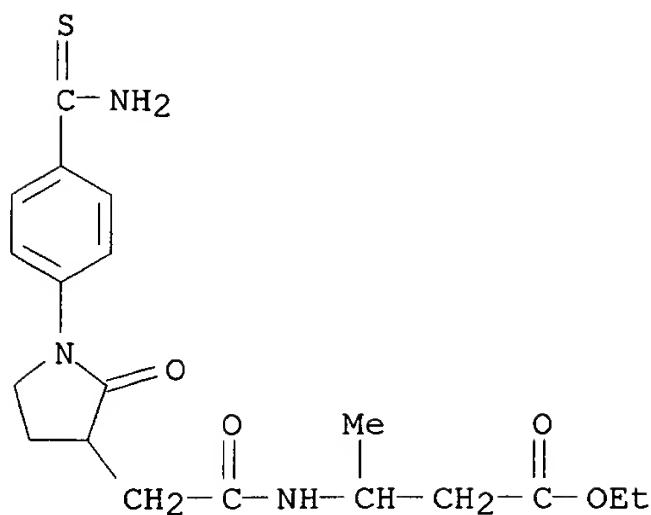
RN 167834-03-9 CAPLUS

CN .beta.-Alanine, N-[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]- (9CI) (CA INDEX NAME)



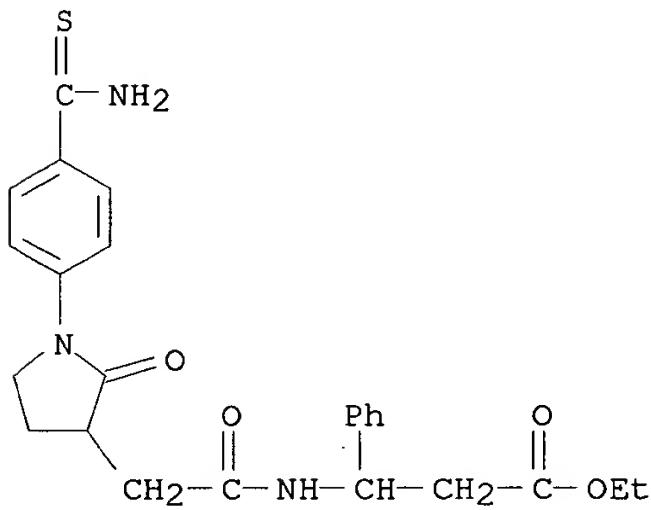
RN 167834-04-0 CAPLUS

CN Butanoic acid, 3-[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 167834-05-1 CAPLUS

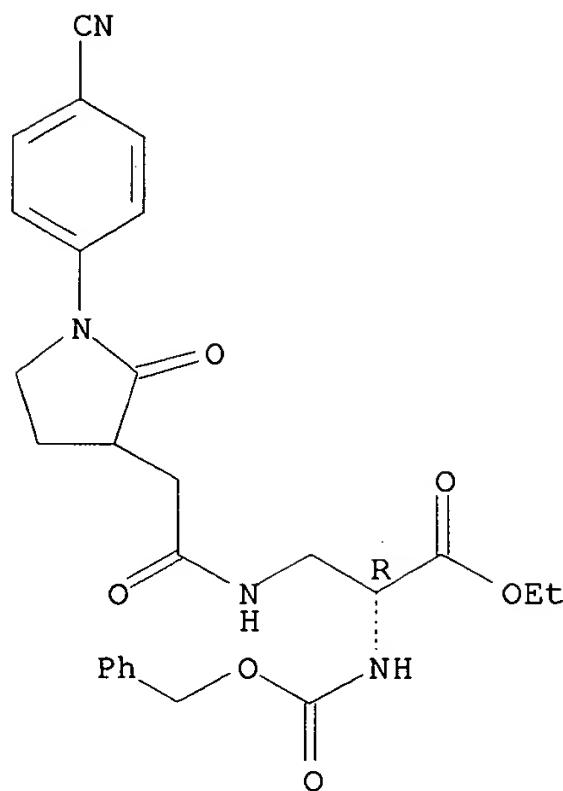
CN Benzenepropanoic acid, .beta.-[[[1-[4-(aminothioxomethyl)phenyl]-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



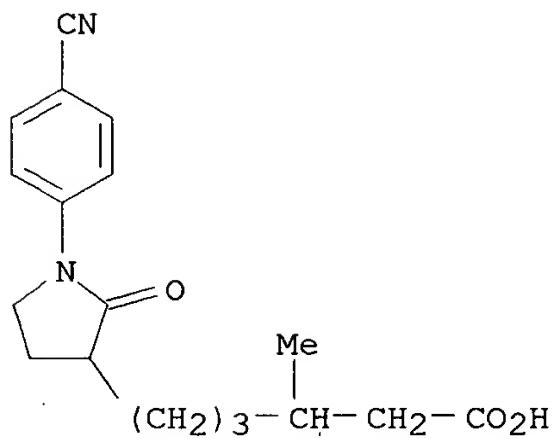
RN 167834-06-2 CAPLUS

CN L-Alanine, 3-[[[1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]acetyl]amino]-N-[(phenylmethoxy)carbonyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

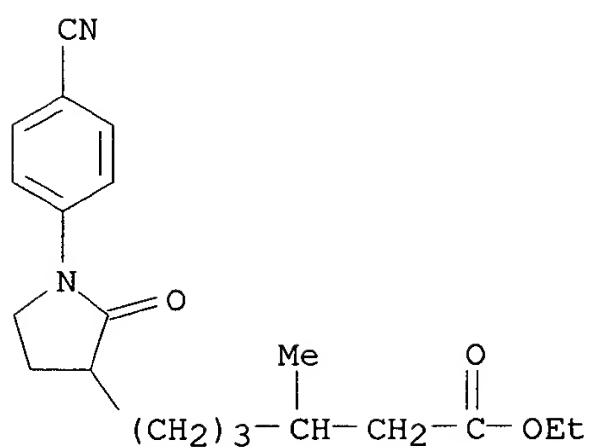


RN 167834-14-2 CAPLUS

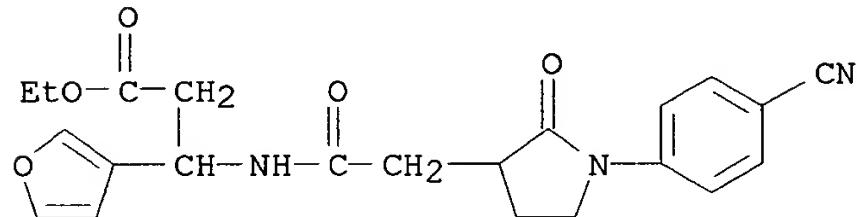
CN 3-Pyrrolidinehexanoic acid, 1-(4-cyanophenyl)-.beta.-methyl-2-oxo- (9CI)
(CA INDEX NAME)

RN 167834-15-3 CAPLUS

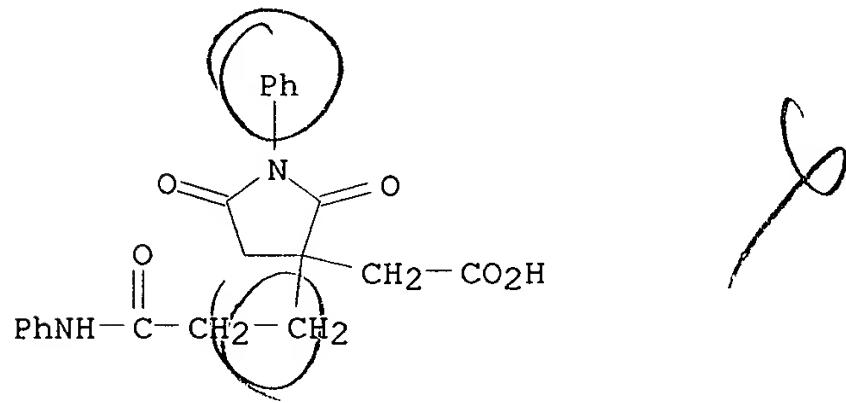
CN 3-Pyrrolidinehexanoic acid, 1-(4-cyanophenyl)-.beta.-methyl-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 167834-27-7 CAPLUS

CN 3-Furanpropanoic acid, β -[[[1-(4-cyanophenyl)-2-oxo-3-pyrrolidinyl]acetyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)

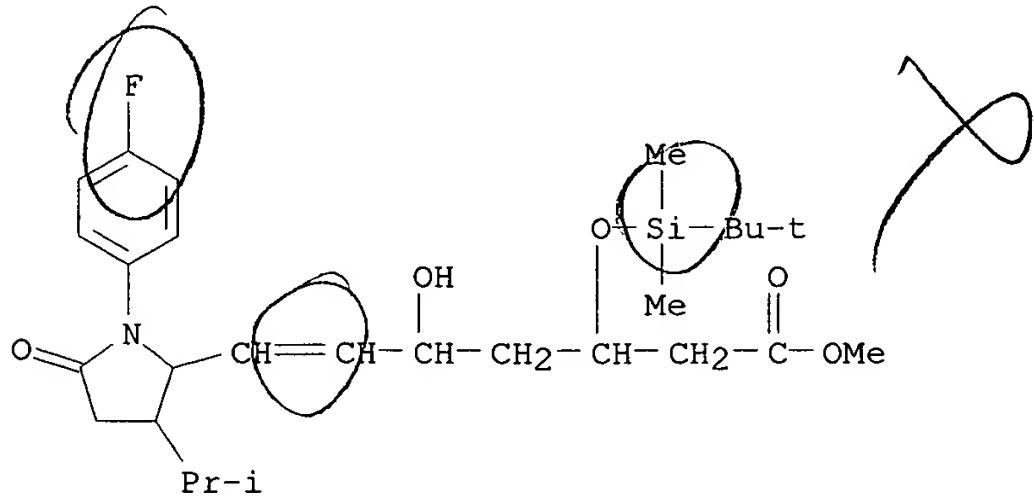
L7 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1994:435231 CAPLUS
 DN 121:35231
 TI Highly-sophisticated utilization of itaconic anhydride. I. Syntheses of unsymmetric tetracarboxylic acid derivatives having a quaternary carbon and formation of carbamoyl-substituted imides by the reaction with primary amines
 AU Kiso, Kazuki; Sato, Toru; Yashiro, Morio; Takayama, Toshio; Shiraishi, Shinsaku
 CS Inst. Ind. Sci., Univ. Tokyo, Tokyo, 106, Japan
 SO Nippon Kagaku Kaishi (1994), (2), 135-9
 CODEN: NKAKB8; ISSN: 0369-4577
 DT Journal
 LA Japanese
 OS CASREACT 121:35231
 AB The unsym. tetracarboxylic acid I was prep'd. by by nitric acid oxidn. of the Diels-Alder adduct of itaconic anhydride and butadiene. Dehydration of I with acetic anhydride gave only monoanhydride, 2-(2-carboxyethyl)-2-(carboxymethyl)succinic anhydride, which was converted to bis(chlorocarbonyl)-substituted anhydride by using PC15. Reaction of the latter compd. with primary amines RNH₂ (R = Ph, Et) gave unexpected carbamoyl-substituted imides II, while reaction with a secondary amine such as N-methylaniline or dimethylamine gave bis(carbamoyl)-substituted anhydride. The mechanism of the formation of II was discussed.
 IT 155626-64-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 155626-64-5 CAPLUS
 CN 3-Pyrrolidineacetic acid, 2,5-dioxo-3-[3-oxo-3-(phenylamino)propyl]-1-phenyl- (9CI) (CA INDEX NAME)



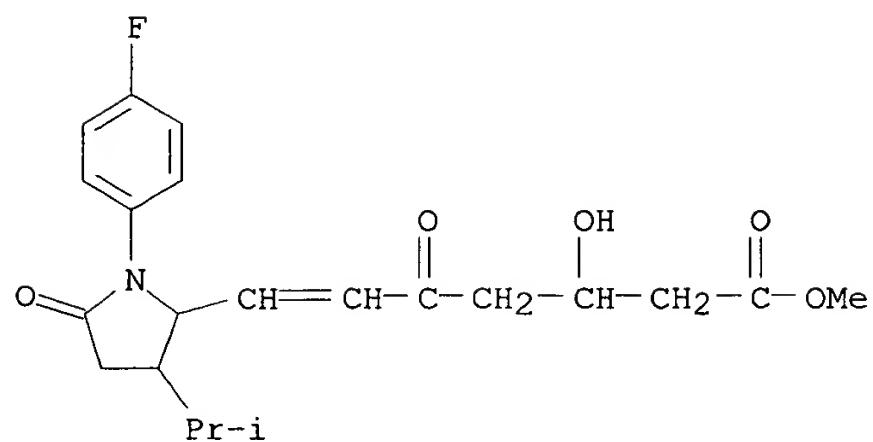
L7 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1992:448327 CAPLUS
 DN 117:48327
 TI Preparation of 3,5-dihydroxy-7-(5-oxo-2-pyrrolidinyl)heptanoates and
 analogs are HMG-CoA reductase inhibitors
 IN Varma, Ravi K.; Gordon, Eric M.; Chao, Sam T.
 PA Squibb, E. R., and Sons, Inc., USA
 SO U.S., 30 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|------|----------|-----------------|----------|
| PI US 5049577 | A | 19910917 | US 1990-471461 | 19900129 |

OS MARPAT 117:48327
 AB The title compds. [I; R1 = H, alkyl, alkenyl, (un)substituted aryl; 1 of R2, R3 = H and the other H, alkyl, alkenyl, (un)substituted aryl; or R2R3 = atoms to complete (un)substituted cycloalkyl, -alkenyl; X = alkylene, alkenylene, alkynylene; Z = (3R,5S)-CH(OH)CH₂CH(OH)CH₂CO₂R₄ or lactone deriv. thereof] were prep'd. as HMG-CoA reductase inhibitors (no data). Thus, MeCONHCH(CO₂Et)₂ was cyclocondensed with MeCH:CHCO₂Et and the product converted in 4 steps to pyrrolidonecarboxaldehyde trans- and cis-II (R = CHO) the latter of which was condensed with (R)-(MeO)₂P(O)CH₂COCH₂CH(OSiMe₂CMe₂CMe₃)CH₂CO₂Me to give, after deprotection and redn., (3R, 5S, 6E, cis)-II [R = CH:CHCH(OH)CH₂CH(OH)CH₂CO₂Me].
 IT 138940-84-8P 138940-85-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and reaction of, in prepn. HMG-CoA reductase inhibitors)
 RN 138940-84-8 CAPLUS
 CN 6-Heptenoic acid, 3-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]-7-[1-(4-fluorophenyl)-3-(1-methylethyl)-5-oxo-2-pyrrolidinyl]-5-hydroxy-, methyl ester (9CI) (CA INDEX NAME)

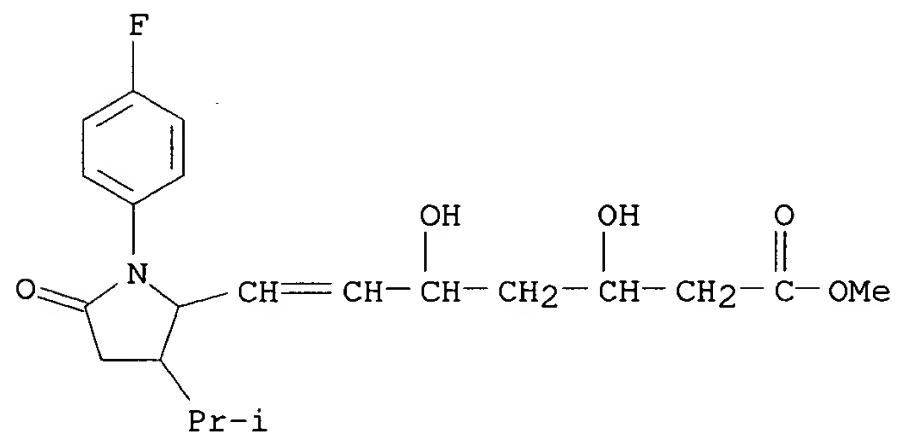


RN 138940-85-9 CAPLUS
 CN 6-Heptenoic acid, 7-[1-(4-fluorophenyl)-3-(1-methylethyl)-5-oxo-2-pyrrolidinyl]-3-hydroxy-5-oxo-, methyl ester (9CI) (CA INDEX NAME)

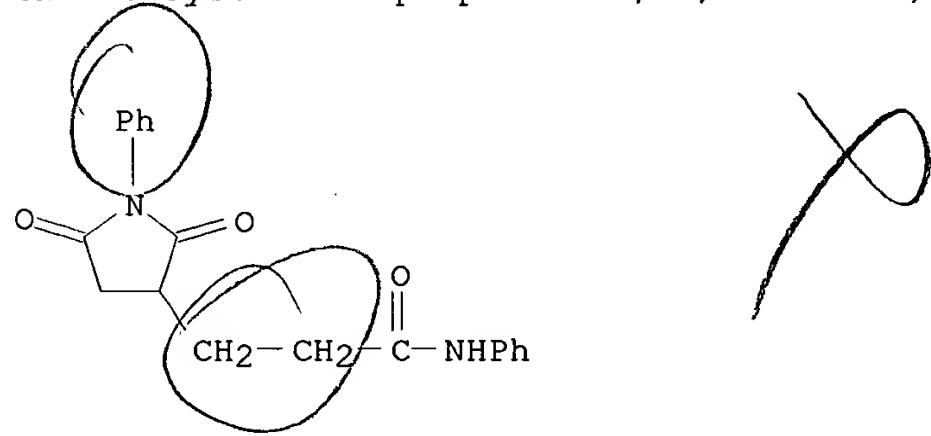
IT **138940-86-0P**RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as HMG-CoA reductase inhibitor)

RN 138940-86-0 CAPLUS

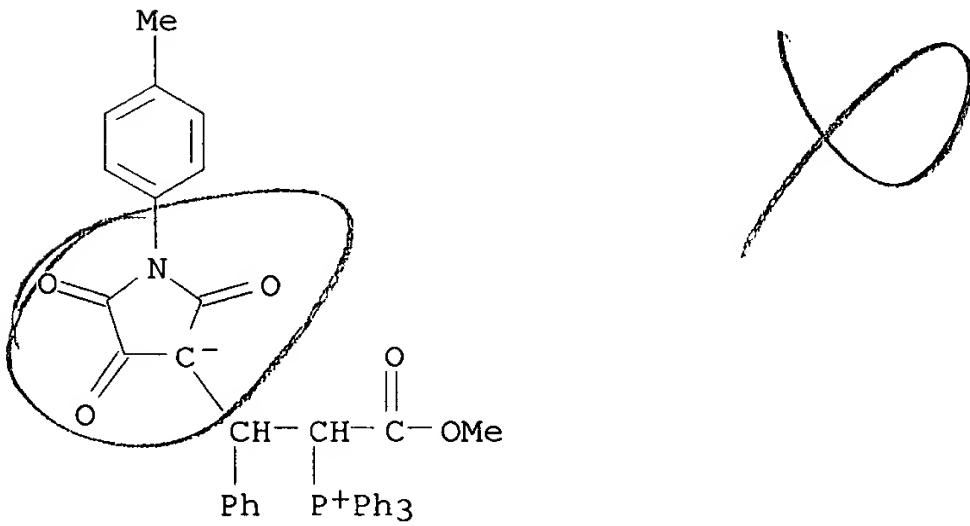
CN 6-Heptenoic acid, 7-[1-(4-fluorophenyl)-3-(1-methylethyl)-5-oxo-2-pyrrolidinyl]-3,5-dihydroxy-, methyl ester (9CI) (CA INDEX NAME)



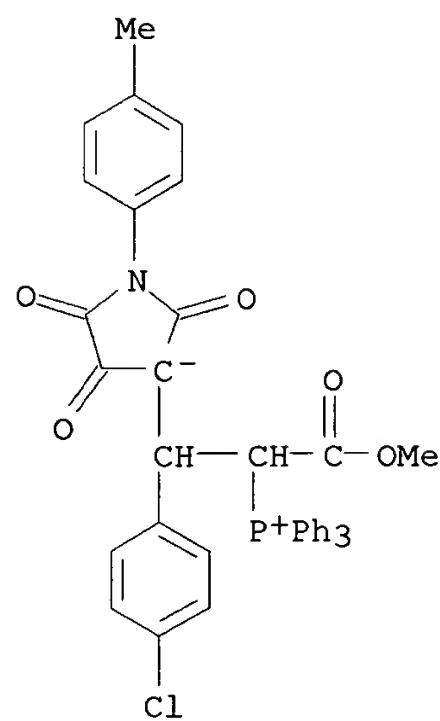
L7 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1991:206698 CAPLUS
 DN 114:206698
 TI Nickel(0)-induced and -catalyzed preparation of unsaturated adipic acid anilides
 AU Hoberg, Heinz; Baerhausen, Dieter
 CS Max-Planck-Inst. Kohlenforsch., Muelheim an der Ruhr, W-4330, Fed. Rep. Ger.
 SO J. Organomet. Chem. (1991), 403(3), 401-9
 CODEN: JORCAI; ISSN: 0022-328X
 DT Journal
 LA German
 OS CASREACT 114:206698
 AB 4-Pentenecarboxylic acid anilide (I), which can readily be prep'd. catalytically from ethene and Ph isocyanate (II), further reacts with II on ligand-nickel(0)-systems in a highly regioselective reaction to form triphenylphosphine-5-azanickelcyclopentan-4-one (IV). Protonolysis of IV leads to adipic acid anilide. When IV is treated with maleic acid anhydride at 20.degree., a .beta.-H-elimination is induced because the hydrolysis gives the sym. 3-hexenedicarboxylic acid dianilide with high selectivity. The catalytic reaction of I and II on a ligand-nickel(0)-complex (ligand = tricyclohexyl phosphite) involves a .beta.-H-elimination to yield 2-hexenedicarboxylic acid dianilide. This makes it possible to produce adipic acid derivs. catalytically in a 2 step synthesis from ethene and Ph isocyanate. The mechanisms and special features are discussed.
 IT 133693-01-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 133693-01-3 CAPLUS
 CN 3-Pyrrolidinopropanamide, 2,5-dioxo-N,1-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:407246 CAPLUS
 DN 111:7246
 TI Reactions of (Z/E)-1-aryl-4-arylmethylenepyrrolidine-2,3,5-triones with active methylene compounds
 AU Augustin, M.; Jeschke, P.
 CS Sekt. Chem., Martin-Luther-Univ., Halle/Saale, Ger. Dem. Rep.
 SO J. Prakt. Chem. (1987), 329(4), 637-48
 CODEN: JPCEAO; ISSN: 0021-8383
 DT Journal
 LA German
 OS CASREACT 111:7246
 AB Cyclization of arylmethylenepyrrolidinetrones I (R = Ph, C₆H₄NO₂-3; R₁ = p-tolyl) with CH₂(CN)₂ led to the corresponding 2-amino-3-cyano-4H-pyrans II. Stable phosphorus-contg. compds. III (R = Ph, C₆H₄X-4, X = NO₂, Cl, R₁ = p-tolyl) were prep'd. by Michael type addn. between Ph₃P:CHCO₂Me and I. From (Z/E)-I and dimedone or 2-hydroxymaleimide, Michael adducts (e.g., IV; R₂ = H, R and R₁ same) were obtained, which were converted into IV (R₂ = Me) by alkylation with CH₂N₂ or gave different types of heterocycles, e.g., V, depending on the reaction conditions. Cyclocondensation of (Z/E)-I with cycloalkanones in the presence of NH₄OAc formed 4-aryl-1,4-dihydrocycloalkeno[b]pyridines. Bicyclic 1,4-dihdropyridine derivs. e.g., VI, which easily undergo oxidn. with CrO₃ or air oxygen, were intermediates in the formation of the corresponding heteroarom. compds.
 IT 121008-04-6P 121008-05-7P 121008-06-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 121008-04-6 CAPLUS
 CN Phosphonium, [1-(methoxycarbonyl)-2-[1-(4-methylphenyl)-2,4,5-trioxo-3-pyrrolidinyl]-2-phenylethyl]triphenyl-, inner salt (9CI) (CA INDEX NAME)

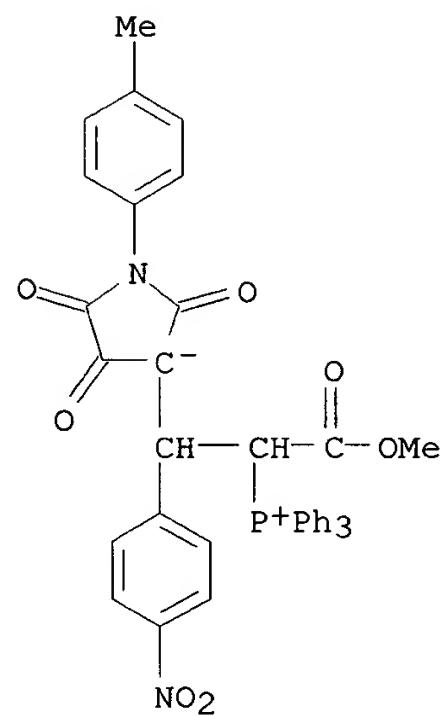


RN 121008-05-7 CAPLUS
 CN Phosphonium, [2-(4-chlorophenyl)-1-(methoxycarbonyl)-2-[1-(4-methylphenyl)-2,4,5-trioxo-3-pyrrolidinyl]ethyl]triphenyl-, inner salt (9CI) (CA INDEX NAME)

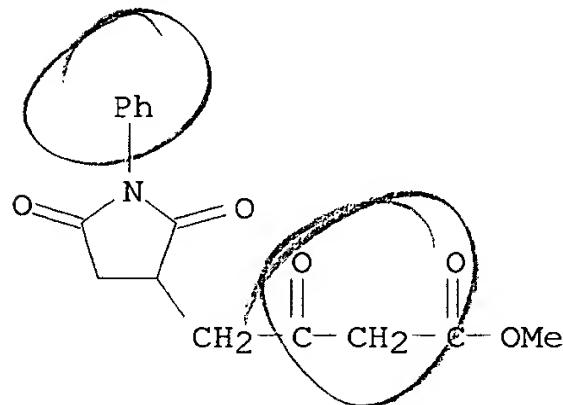


RN 121008-06-8 CAPLUS

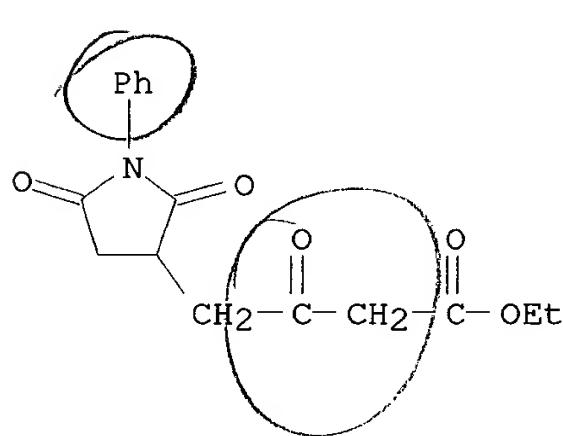
CN Phosphonium, [1-(methoxycarbonyl)-2-[1-(4-methylphenyl)-2,4,5-trioxo-3-pyrrolidinyl]-2-(4-nitrophenyl)ethyl]triphenyl-, inner salt (9CI) (CA INDEX NAME)



L7 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1982:122560 CAPLUS
 DN 96:122560
 TI Studies on ketene and its derivatives. CVI. Photoreaction of diketene with N-phenylmaleimide and dimethyl-N-phenylmaleimide
 AU Chiba, Takuo; Tsuchiya, Susumu; Kato, Tetsuzo
 CS Pharm. Inst., Tohoku Univ., Sendai, 980, Japan
 SO Chem. Pharm. Bull. (1981), 29(12), 3715-20
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA English
 AB Photoreaction of diketene with N-phenylmaleimide and its di-Me deriv. gave (4R,5S,6S)- and (4R,5R,6R)-2-oxo-1-oxaspiro[3.3]heptane-5,6-dicarboximides I (R = H, Me), resp. Alcoholsysis of I (R = H) with alc. HCl gave 5-alkoxycarbonyl-4-oxo-N-phenyl-1,2-pentanedicarboximides II (R1 = Me, Et) which were transformed to the corresponding 5-alkoxycarbonyl-3-oxoheptanedioates by further alcoholsysis. I were hydrolyzed with 10% HCl to give 3-carboxy-5-oxohexanoic acid. Thermolysis of compds. I gave 3-methylenecyclobutane-1,2-dicarboximide (III).
 IT **81109-52-6P 81109-53-7P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 81109-52-6 CAPLUS
 CN 3-Pyrrolidinebutanoic acid, β ,2,5-trioxo-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



RN 81109-53-7 CAPLUS
 CN 3-Pyrrolidinebutanoic acid, β ,2,5-trioxo-1-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



L7 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2002 ACS

AN 1981:141322 CAPLUS

DN 94:141322

TI Electric insulator coatings

PA Showa Electric Wire and Cable Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------|----------|-----------------|----------|
| PI | JP 55137173 | A2 | 19801025 | JP 1979-45847 | 19790413 |
| | JP 57021536 | B4 | 19820508 | | |

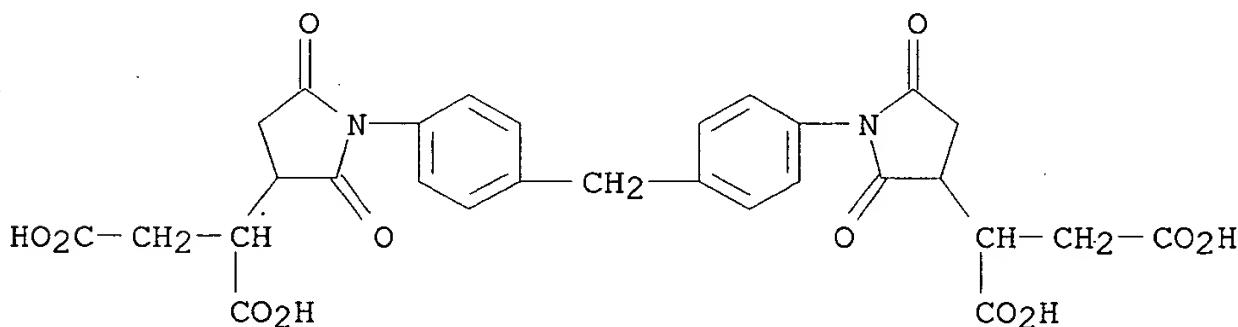
AB Elec. insulating coatings are prep'd. from aq. solns. of dicarboxylate-terminated polyester-polyimides with d.p. 1-6. Thus, polymg. imide I [76135-55-2] [prep'd. from 1,2,3,4-butanetetracarboxylic acid [1703-58-8] and CH₂(C₆H₄NH₂-p)₂ [101-77-9]] 0.25, di-Me terephthalate 1, HOCH₂CH₂OH 1.5, and trimethylolpropane 0.5 mol in solvent naphtha at 170.degree. for 4 h to OH no. 180 adding 1 mol trimellitic anhydride over 1 h at 140.degree. gives a polymer [76135-56-3] with acid no. 90. The polymer was dissolved with HOCH₂CH₂NH₂ in water to give a 38%-solids soln. (pH 6.5) which is mixed with 0.3 phr polyethylene glycol and 0.2 phr triethanolamine titanate and baked on Cu wire at 350-400.degree. to give an 0.05-mm pinhole-free insulation with softening temp. 346.degree., breakdown voltage 11.1 kV, and good flexibility and abrasion and thermal shock resistance.

IT 76135-55-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 76135-55-2 CAPLUS

CN Butanedioic acid, 2,2'-[methylenebis[4,1-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)]bis- (9CI) (CA INDEX NAME)



IT 76135-56-3

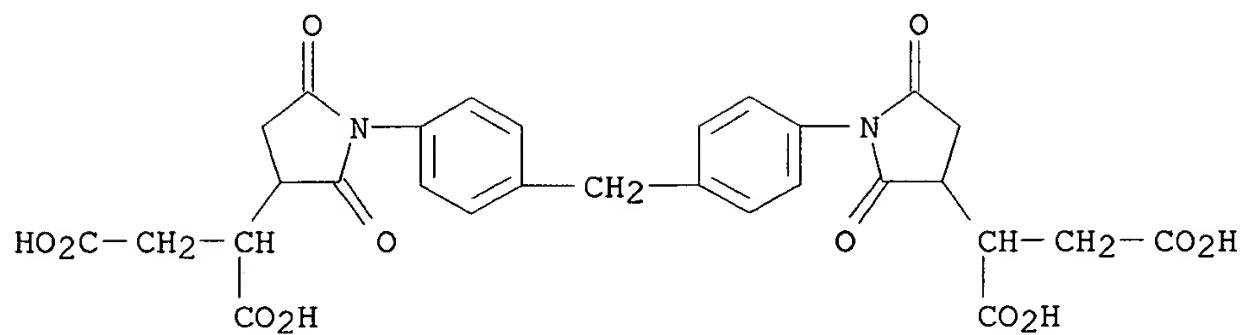
RL: USES (Uses)
(wire enamel, water-thinned)

RN 76135-56-3 CAPLUS

CN 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2,2'-[methylenebis[4,1-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)]bis[butanedioic acid] (9CI) (CA INDEX NAME)

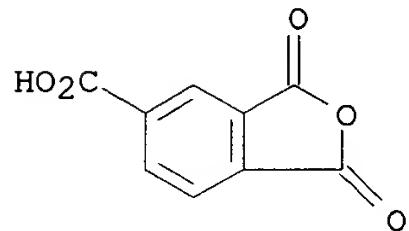
CM 1

CRN 76135-55-2
CMF C29 H26 N2 O12



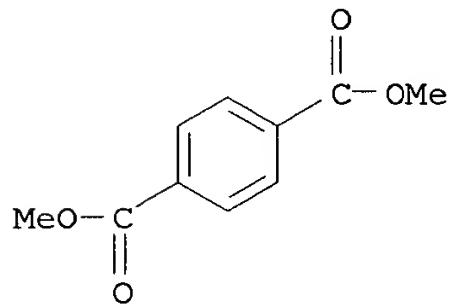
CM 2

CRN 552-30-7
CMF C9 H4 O5



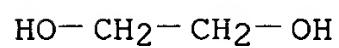
CM 3

CRN 120-61-6
CMF C10 H10 O4



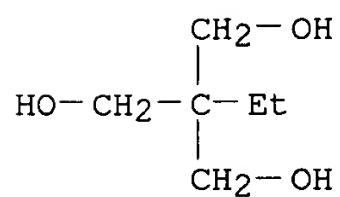
CM 4

CRN 107-21-1
CMF C2 H6 O2



CM 5

CRN 77-99-6
CMF C6 H14 O3



L7 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2002 ACS

AN 1981:48508 CAPLUS

DN 94:48508

TI Fusible poly(esterimide) resins

PA Showa Electric Wire and Cable Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------|----------|-----------------|----------|
| PI | JP 55125122 | A2 | 19800926 | JP 1979-32920 | 19790320 |
| | JP 57057089 | B4 | 19821202 | | |

AB The title resins were prep'd. by reacting polycarboxylic acid (I) or derivs. 28-49, polyhydric alc. 72-51, and tricarboxylic acid or derivs. contg. II (X and Z = tetra- and divalent org. radicals, resp.; n = 0-5) 5-50 equiv. % (based on I) to give poly(ester imide) of OH value 100-400 and melt viscosity >50 cP at 200.degree., adding a polycarboxylic acid contg. .gt;eq. 3 carboxy groups, and heating, giving products which had acid value 40-150 and were useful as insulating coatings for magnet wires. E.g., a mixt. of di-Me terephthalate 1, ethylene glycol 1.5, trimethylpropane 2.5, and II (Z = methylenedi-p-phenylene, X = 1,2,3,4-butanetetrayl) 0.52 mL in naphtha was heated 4 h at 170.degree. to give a polyimide resin of OH value 180. Reducing the temp. to 140.degree., adding 1 mol trimellitic anhydride, heating 1 h at the same temp., and adding ethylene glycol 15% gave a resin [76135-56-3] soln. having acid value 60.

IT 76135-56-3

RL: USES (Uses)

(elec. insulating coatings, for magnet wires)

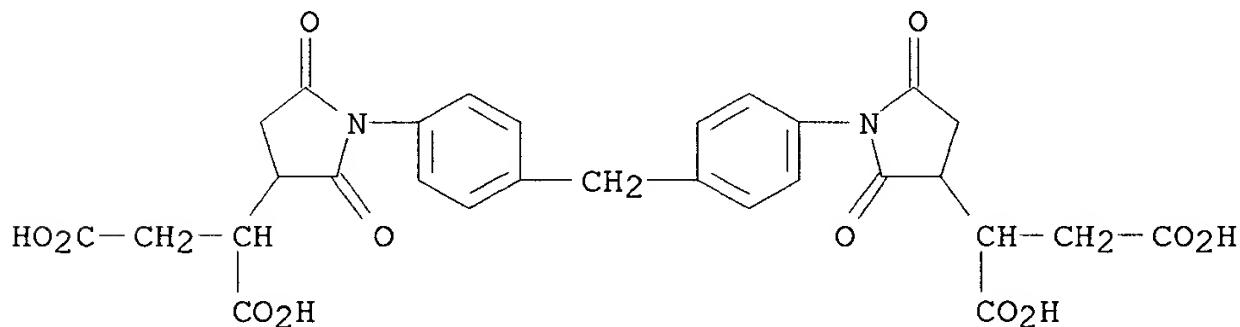
RN 76135-56-3 CAPLUS

CN 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 2,2'-[methylenebis[4,1-phenylene(2,5-dioxo-1,3-pyrrolidinediyl)]]bis[butanedioic acid] (9CI) (CA INDEX NAME)

CM 1

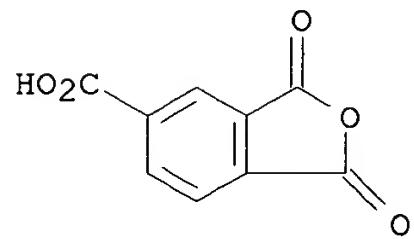
CRN 76135-55-2

CMF C29 H26 N2 O12



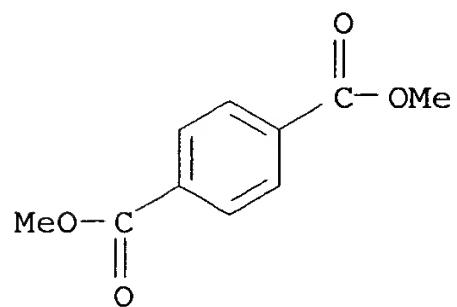
CM 2

CRN 552-30-7
CMF C9 H4 O5



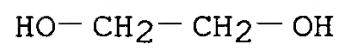
CM 3

CRN 120-61-6
CMF C10 H10 O4



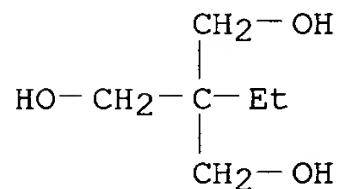
CM 4

CRN 107-21-1
CMF C2 H6 O2

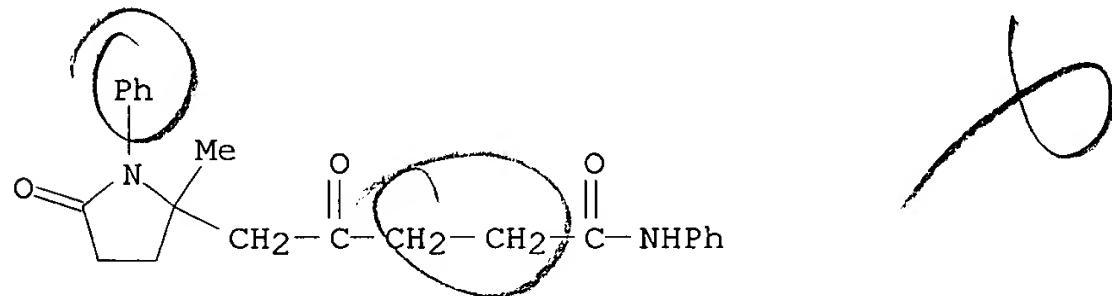


CM 5

CRN 77-99-6
CMF C6 H14 O3



L7 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1979:103792 CAPLUS
 DN 90:103792
 TI 1H-1-benzazepines. The reactions of levulinic acid and
 .beta.-benzoylpropionic acid with aniline and methoxyanilines
 AU Candeloro, Vincenzo; Bowie, John H.
 CS Dep. Org. Chem., Univ. Adelaide, Adelaide, Aust.
 SO Aust. J. Chem. (1978), 31(9), 2031-7
 CODEN: AJCHAS; ISSN: 0004-9425
 DT Journal
 LA English
 AB Treatment of levulinic acid with PhNH₂ yields 5-methyl-2,3-dihydro-1H-1-benzazepin-2-one and 5-(2-methyl-5-oxo-1-phenylpyrrolidin-2-yl)-4-oxo-N-phenylpentanamide. The reaction between PhCOCH₂CH₂CO₂H and PhNH₂ yields 4-(2-oxo-1,5-diphenyl-2,3-dihydropyrrol-3-ylidene)-N-,4-diphenylbutanamide, whose structure is confirmed by an independent synthesis. The yield of the latter type of reaction is enhanced if p-MeOC₆H₄NH₂, is used, whereas the desired benzazepine is obtained if m-MeOC₆H₄NH₂ is utilized. For example, the reaction between PhCOCH₂CH₂CO₂H and m-MeOC₆H₄NH₂ yields 8-methoxy-5-phenyl-2,3-dihydro-1H-1-benzazepine-2-one as the major cyclized product.
 IT 68803-51-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 68803-51-0 CAPLUS
 CN 2-Pyrrolidinepentanamide, 2-methyl-.gamma.,5-dioxo-N,1-diphenyl- (9CI)
 (CA INDEX NAME)



L7 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1977:567606 CAPLUS
 DN 87:167606
 TI Pyrrolidinones
 IN Linkies, Adolf; Reuschling, Dieter Bernd; Kuehlein, Klaus; Beck, Gerhard; Musil, Josef
 PA Hoechst A.-G., Ger.
 SO Ger. Offen., 63 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------|----------|-----------------|----------|
| PI | DE 2557335 | A1 | 19770707 | DE 1975-2557335 | 19751219 |
| | NL 7613875 | A | 19770621 | NL 1976-13875 | 19761214 |
| | US 4113874 | A | 19780912 | US 1976-751173 | 19761216 |
| | SE 7614217 | A | 19770620 | SE 1976-14217 | 19761217 |
| | DK 7605723 | A | 19770620 | DK 1976-5723 | 19761217 |
| | AU 7620702 | A1 | 19780622 | AU 1976-20702 | 19761217 |
| | JP 52077059 | A2 | 19770629 | JP 1976-151500 | 19761218 |
| | BE 849621 | A1 | 19770620 | BE 1976-173442 | 19761220 |
| | FR 2335218 | A1 | 19770715 | FR 1976-38403 | 19761220 |
| | ES 458555 | A1 | 19790916 | ES 1977-458555 | 19770506 |

PRAI DE 1975-2557335 19751219

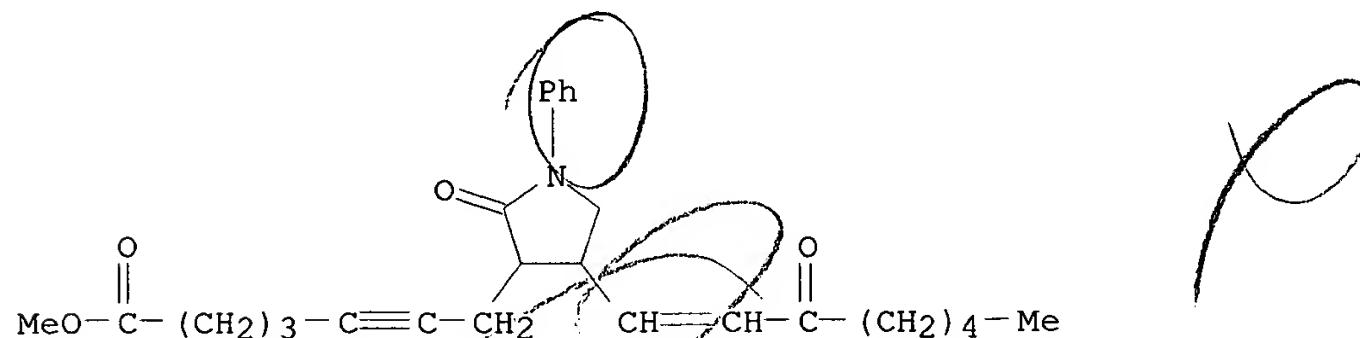
AB Pyrrolidinecarboxylates I [R = H, Ph, 4-(2,4-Cl₂C₆H₃O)C₆H₄] were reduced to the alc., protected with dihydropyran, and treated with Cl(CH₂)₃C≡CBr and LiN(CHMe₂)₂ to give II, which after reaction with NaCN and hydrolysis, gave III. III (optionally after partial or complete hydrogenation of the side chain) were oxidized to the aldehyde and subjected to Wittig reaction with the appropriate phosphonate ester to give ketones (e.g., IV), which were reduced to the secondary alcs.

IT 64321-10-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and borohydride redn. of)

RN 64321-10-4 CAPLUS

CN 5-Heptynoic acid, 7-[2-oxo-4-(3-oxo-1-octenyl)-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



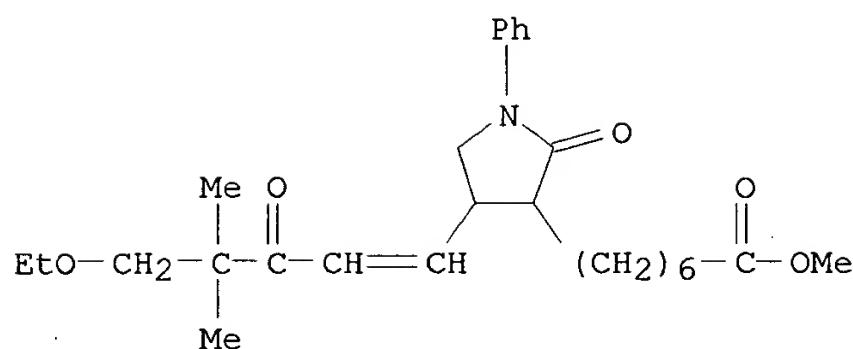
IT 64321-11-5P 64321-12-6P 64321-13-7P

64321-17-1P 64321-18-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

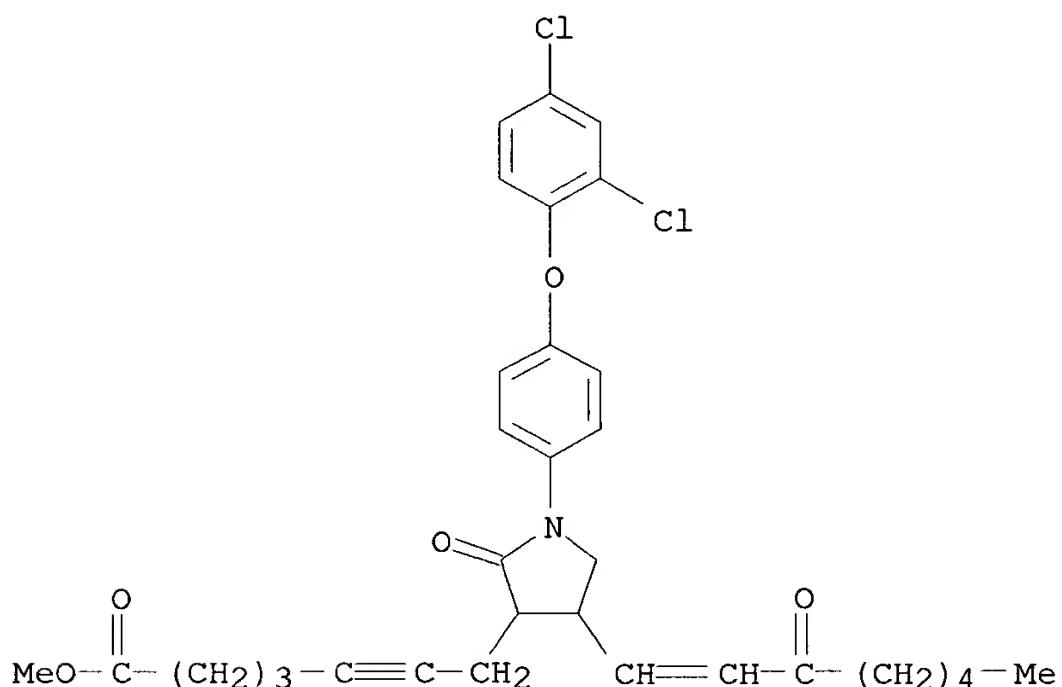
RN 64321-11-5 CAPLUS

CN 3-Pyrrolidineheptanoic acid, 4-(5-ethoxy-4,4-dimethyl-3-oxo-1-pentenyl)-2-oxo-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



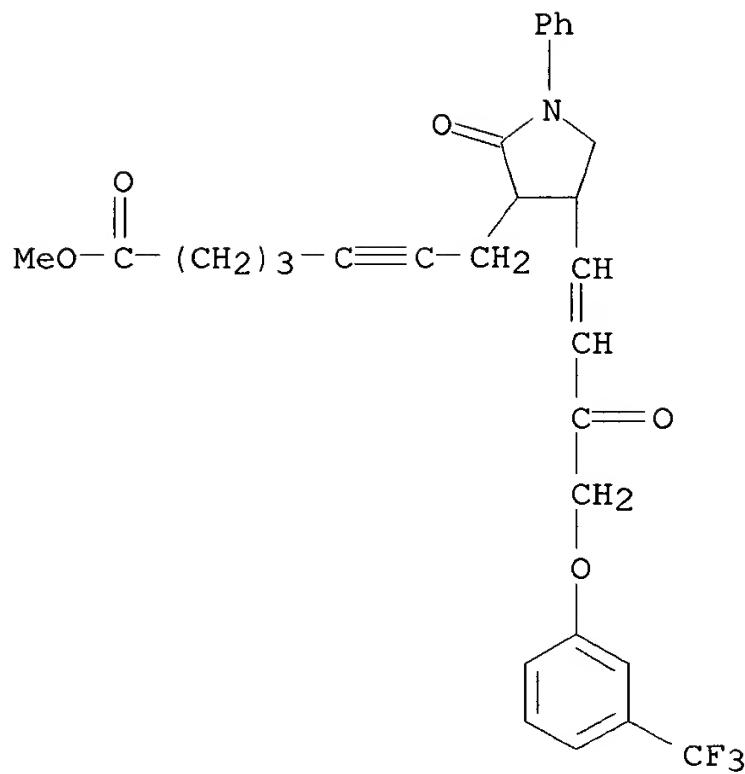
RN 64321-12-6 CAPLUS

CN 5-Heptynoic acid, 7-[1-[4-(2,4-dichlorophenoxy)phenyl]-2-oxo-4-(3-oxo-1-octenyl)-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



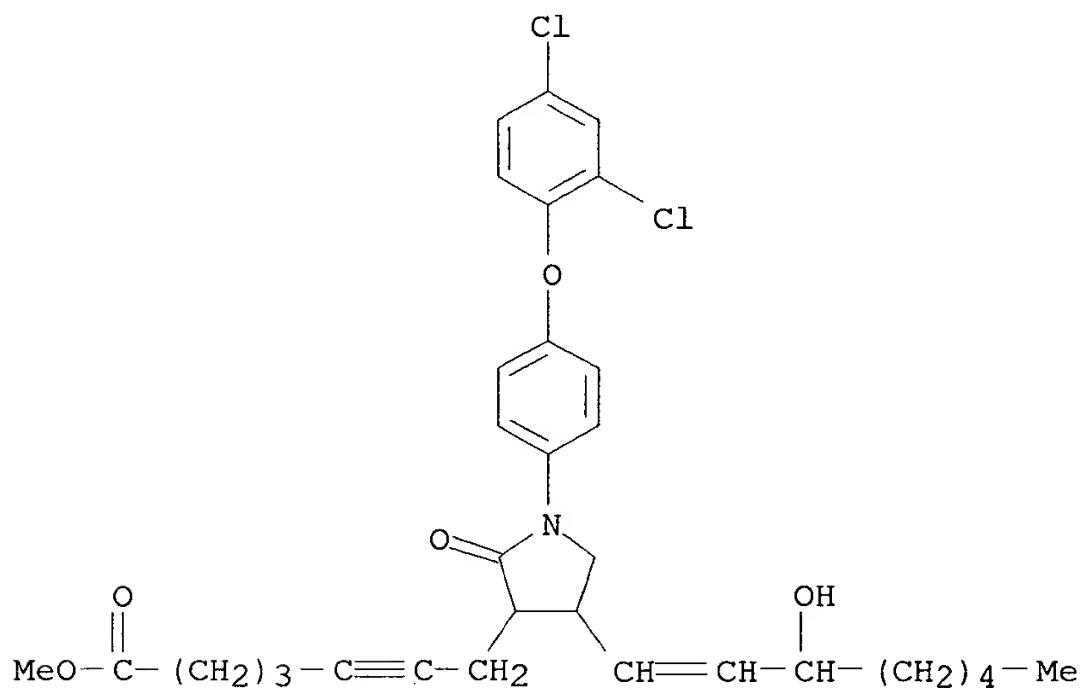
RN 64321-13-7 CAPLUS

CN 5-Heptynoic acid, 7-[2-oxo-4-[3-oxo-4-[3-(trifluoromethyl)phenoxy]-1-butenyl]-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



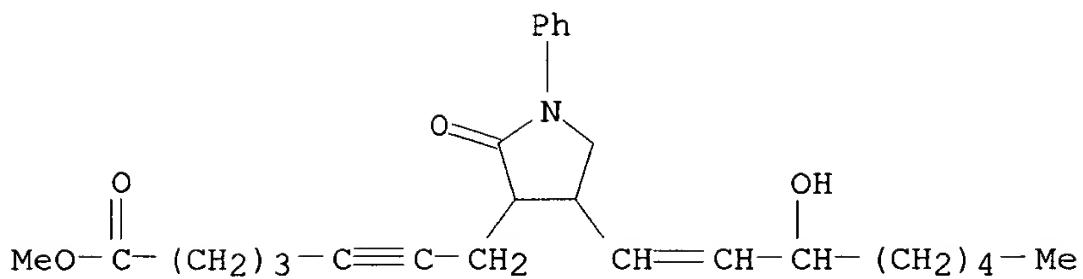
RN 64321-17-1 CAPLUS

CN 5-Heptynoic acid, 7-[1-[4-(2,4-dichlorophenoxy)phenyl]-4-(3-hydroxy-1-octenyl)-2-oxo-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 64321-18-2 CAPLUS

CN 5-Heptynoic acid, 7-[4-(3-hydroxy-1-octenyl)-2-oxo-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



IT 64320-97-4P 64320-98-5P 64321-03-5P

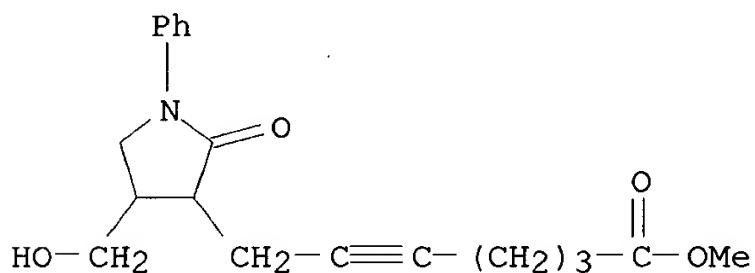
64321-04-6P 64321-05-7P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, as intermediate in synthesis of prostaglandin analogs)

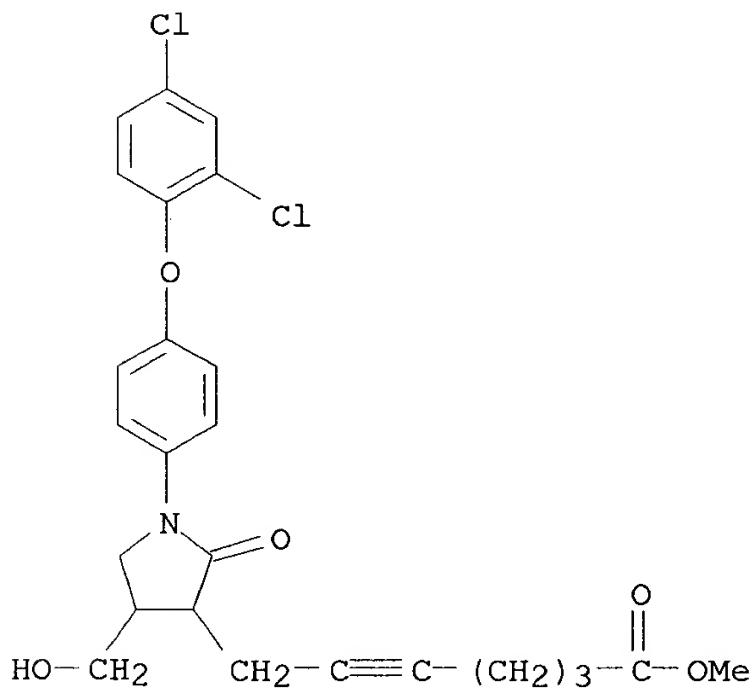
RN 64320-97-4 CAPLUS

CN 5-Heptynoic acid, 7-[4-(hydroxymethyl)-2-oxo-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



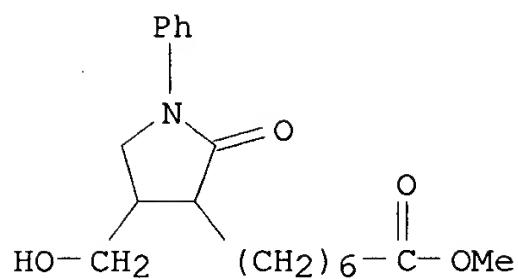
RN 64320-98-5 CAPLUS

CN 5-Heptynoic acid, 7-[1-[4-(2,4-dichlorophenoxy)phenyl]-4-(hydroxymethyl)-2-oxo-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



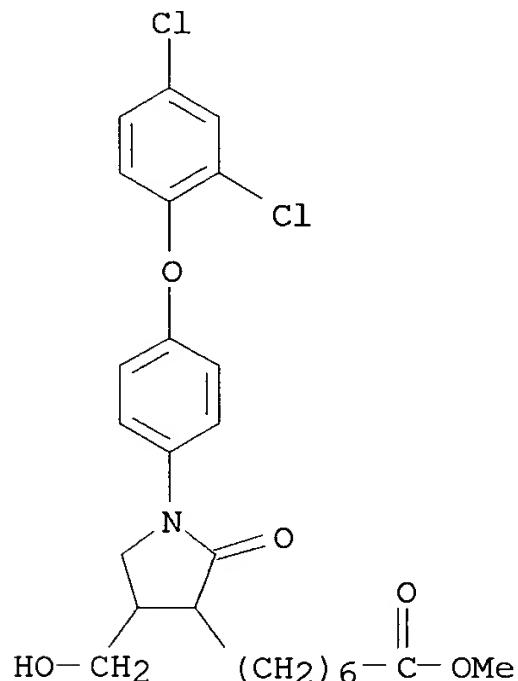
RN 64321-03-5 CAPLUS

CN 3-Pyrrolidineheptanoic acid, 4-(hydroxymethyl)-2-oxo-1-phenyl-, methyl ester (9CI) (CA INDEX NAME)



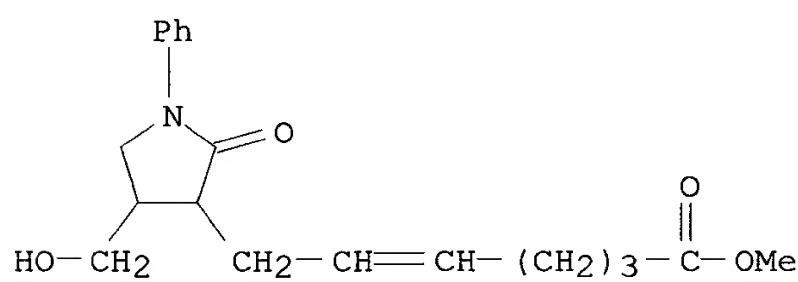
RN 64321-04-6 CAPLUS

CN 3-Pyrrolidineheptanoic acid, 1-[4-(2,4-dichlorophenoxy)phenyl]-4-(hydroxymethyl)-2-oxo-, methyl ester (9CI) (CA INDEX NAME)



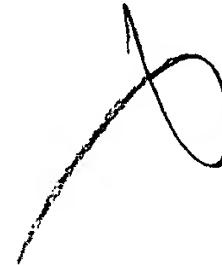
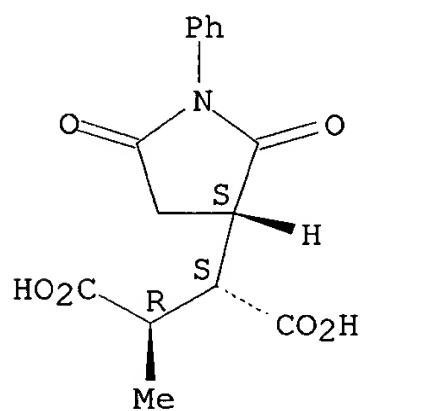
RN 64321-05-7 CAPLUS

CN 5-Heptenoic acid, 7-[4-(hydroxymethyl)-2-oxo-1-phenyl-3-pyrrolidinyl]-, methyl ester (9CI) (CA INDEX NAME)



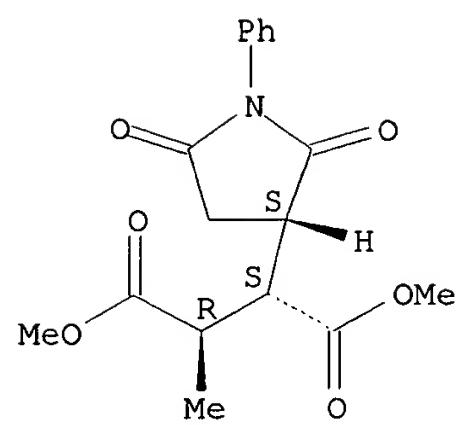
L7 ANSWER 19 OF 23 CAPIUS COPYRIGHT 2002 ACS
 AN 1977:105890 CAPIUS
 DN 86:105890
 TI Imidization of diastereoisomeric 1,2,3,4-pentanetetracarboxylic acids
 AU Odinokov, V. N.; Galeeva, R. I.; Tolstikov, G. A.
 CS Inst. Khim., Ufa, USSR
 SO Zh. Org. Khim. (1976), 12(10), 2119-24
 CODEN: ZORKAE
 DT Journal
 LA Russian
 AB Treatment of bis(anhydrides) I (R = H, Me; X = O) with 2 moles PhNH₂ gave I (X = NPh) in 81.2 and 72% yields, resp.; the stereochem. was preserved during imidization. The addnl. diastereoisomeric imides were prep'd. by reaction of the corresponding anhydride with PhNH₂. Reaction of I (R = Me) with 1 mole PhNH₂ gave 80% monoimide II (R₁ = H), which gave 96% resp. di-Me ester. Redn. of the bisimides gave the corresponding bis pyrrolidines. The stereochem. of the bis(imides) and pyrrolidines was discussed in relation to spectra.
 IT 62058-52-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and redn. of)
 RN 62058-52-0 CAPIUS
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl-,
 [3R*(2R*,3S*)]- (9CI) (CA INDEX NAME)

Relative stereochemistry.

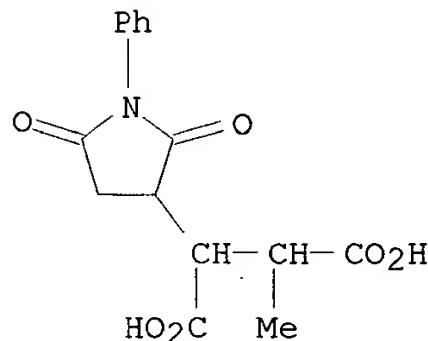


IT 62058-53-1P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and spectra of)
 RN 62058-53-1 CAPIUS
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl-,
 dimethyl ester, [3R*(2R*,3S*)]- (9CI) (CA INDEX NAME)

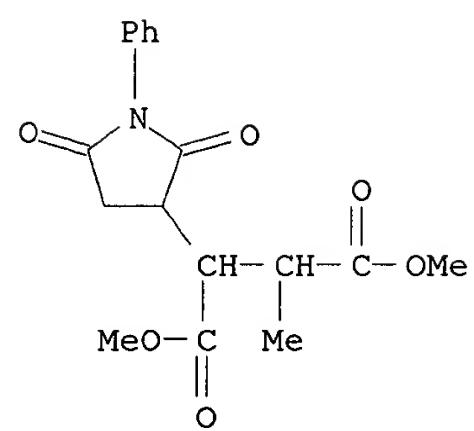
Relative stereochemistry.



L7 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1974:449399 CAPLUS
 DN 81:49399
 TI Ozonolysis of alkenes and the study of reactions of polyfunctional compounds
 AU Odinokov, V. N.; Galeeva, R. I.; Tolstikov, G. A.
 CS USSR
 SO Khim. Tekhnol. Elementoorg. Soedin. Polim. (1972), No. 1-2 62-70
 From: Ref. Zh., Khim. 1973, Abstr. No. 18Zh272
 DT Journal
 LA Russian
 AB Reaction of the corresponding anhydride with PhNH₂ gave 3-methyl-.DELTA.4-tetrahydro-N-phenyl-phthalimides (Ia-d) (a denotes cis,cis-; b denotes trans,cis-; c denotes cis,trans-; and d denotes trans,trans- throughout) in 99, 96, 99, and 98% yields, resp. The configurations were established by PMR studies of Ia-d and the corresponding di-Me 3-methyl-.DELTA.4-tetrahydropthalates (IIa-d). MeONa rearranged IIa to a 6:12:82 mixt. of IIb-d. Ozonolysis of Ia-d in Ac₂O, then treatment with 30% H₂O₂-Ac₂O-SeO₂ gave N-phenyl-2,3-imido-1,2,3,4-pantanetetracarboxylic acids (IIIe-h) (e denotes erythro, threo-; f denotes erythro, erythro-; g denotes threo,threo-; h denotes threo, erythro-) in 85, 90, 93.5, and 74.5% yields, resp. IIIe-h gave the corresponding di-Me esters (IVe-h) in 96, 95, 92, and 93% yields, resp. IVe-h with LiAlH₄ gave 3-(2-hydroxy-ethyl)-4-(2-hydroxyisopropyl)-N-phenylpyrrolidines, characterized as their p-nitrobenzoates (Ve-h) (98, 99, 99, 97% yields, resp.). Similarly prepd. were 80.5% N-Me analog of Ia, 63.5% N-Me analog of IIIe, 95% N-Me analog of IVe, and 68% N-Me analog of Ve. PhNH₂ and erythro,threo-1,2:3,4-pantanebis-(carboxylic anhydride) gave 80% N-phenyl-1,2-imido-1,2,3,4-pantanetetracarboxylic acid, which gave 96% di-Me ester, in turn reduced with LiAlH₄ to 98% 3-[1,2-bis(hydroxymethyl)-propyl]-N-phenylpyrrolidine.
 IT 53288-11-2P 53288-12-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 53288-11-2 CAPLUS
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl- (9CI)
 (CA INDEX NAME)

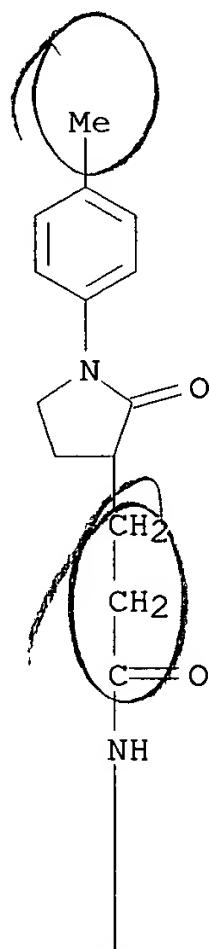


RN 53288-12-3 CAPLUS
 CN Butanedioic acid, 2-(2,5-dioxo-1-phenyl-3-pyrrolidinyl)-3-methyl-, dimethyl ester (9CI) (CA INDEX NAME)



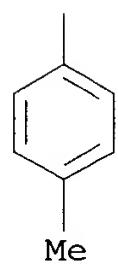
L7 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1973:405182 CAPLUS
 DN 79:5182
 TI Preparation and applications of (dialkylamino)methyloxosulfonium methylides. Synthesis of cyclopropanes and oxiranes
 AU Johnson, Carl R.; Rogers, Peter E.
 CS Dep. Chem., Wayne State Univ., Detroit, Mich., USA
 SO J. Org. Chem. (1973), 38(10), 1793-7
 CODEN: JOCEAH
 DT Journal
 LA English
 AB Dimethyl sulfoximine, prep'd. from Me₂SO, was dialkylated to give (N,N-dimethylamino)- and (N,N-diethylamino)dimethyloxosulfonium fluoroborate. Reaction of these salts with NaH in a variety of aprotic solvents gave methylides. These yields are effective as nucleophilic methylene transfer reagents; reactions with electrophilic alkenes yield cyclopropanes while aldehydes and ketones react to give oxiranes.
 IT 38709-70-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 38709-70-5 CAPLUS
 CN 3-Pyrrolidinepropanamide, N,1-bis(4-methylphenyl)-2-oxo- (9CI) (CA INDEX NAME)

PAGE 1-A

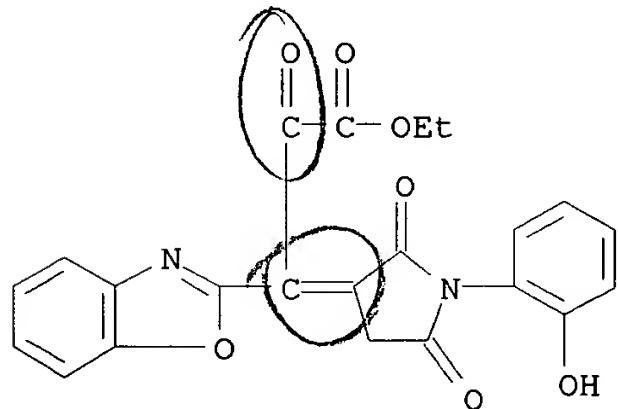


09/732,546

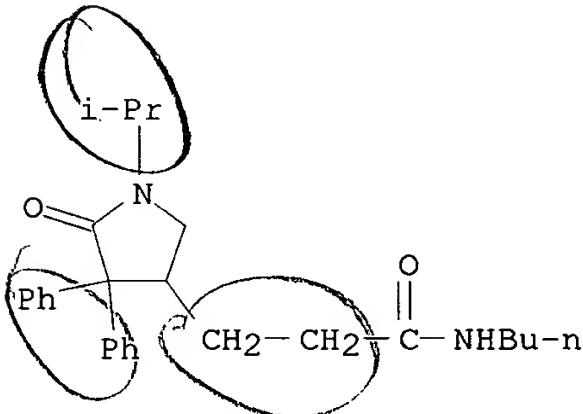
PAGE 2-A



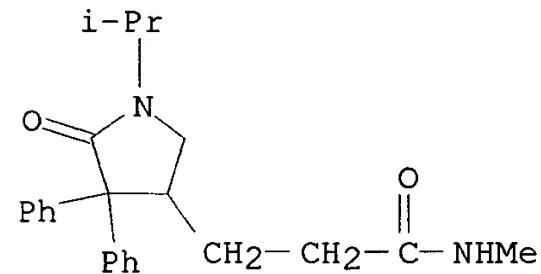
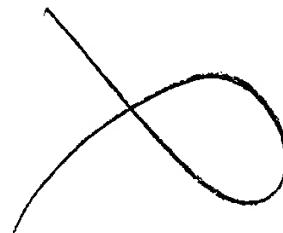
L7 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1967:464126 CAPLUS
 DN 67:64126
 TI Hydrolysis of some benzoxazole derivatives
 AU Golankiewicz, Krzysztof; Wyrzykiewicz, Elzbieta; Golankiewicz, Bozenna
 CS Uniw. A. Mickiewicza, Poznan, Poland
 SO Rocz. Chem. (1967), 41(3), 503-13
 CODEN: ROCHAC
 DT Journal
 LA Polish
 AB The susceptibility of some benzoxazole derivs. towards hydrolysis was studied. The mild acidic hydrolysis of Et 2-benzoxazolylpyruvate (I, R = Et) (II) resulted in complex structural transformation. On the basis of ir and N.M.R. spectra and chem. behavior the structure III or IV was assigned to the reaction product. When subjected to alk. hydrolysis, the benzoxazole system remained intact in II but was attacked in Et (2-benzoxazolyl)-.alpha.-hydroxyiminopropionate (V). In the alk. hydrolysis of V, instead of the previously proposed 2-benzoxazolylacetaldoxime (Borsche, Doeller, CA 33: 17396) N-(.omega.-cyanoacetyl)-o-aminophenol (VI) was formed. By the action of P2O5 the cyclization of VI to 2-benzoxazolylacetonitrile (IX) has been accomplished. Thus, a soln. of 0.5 g. I (R = H) (VIII) in 15 ml. MeOH was treated with 0.006 mole CH2N2 in Et2O and the mixt. kept 30 min., then evapd. to give 0.44 g. VII, Hm. 190-1.degree. (C6H6-hexane). A soln. of 1 g. II in 20 ml. N AcO was kept a few hrs. at room temp. to give 0.7 g. III or IV, m. 147-57.degree. (dil. MeOH). A mixt. of 1.16 g. III or IV in 10 ml. abs. EtOH, 3 ml. ethanolic EtOK (prep. from 0.39 g. K), and 2 ml. abs. Et2O was refluxed 3 hrs., then the pptd. K salt was dissolved in 15 ml. water and repptd. with 5 ml. 2N HCl to give 0.77 g. VIII. A mixt. of 1 g. V in 10 ml. 2N NaOH was heated to boiling, cooled, and neutralized with 10% HCl to afford 0.45 g. VI, m. 199.degree. (40% MeOH), and 47 mg. o-aminophenol. A mixt. of 0.5 g. VI and 0.2 g. P2O5 heated to 150.degree. at 5 .times. 10-3 torr gave 0.25 g. IX, m. 56-7.degree..
 IT 14019-06-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn., N.M.R. and ir spectrum of)
 RN 14019-06-8 CAPLUS
 CN 2-Benzoxazolepyruvic acid, .beta.-[1-(o-hydroxyphenyl)-2,5-dioxo-3-pyrrolidinylidene]-, ethyl ester (7CI, 8CI) (CA INDEX NAME)



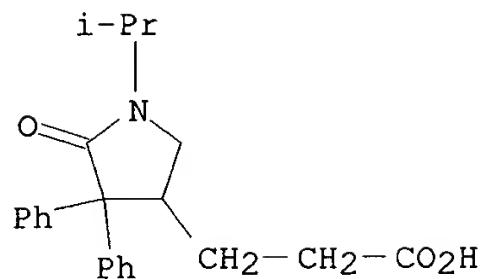
L7 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AN 1967:402959 CAPLUS
 DN 67:2959
 TI A series of central nervous system stimulants based on the 4-substituted 3,3-diphenyl-2-pyrrolidinone skeleton. II
 AU Cale, Albert D., Jr.; Jenkins, Herndon; Franko, Bernard V.; Ward, John Wesley; Lunsford, Carl D.
 CS A. H. Robins Co., Inc., Richmond, Va., USA
 SO J. Med. Chem. (1967), 10(2), 214-22
 CODEN: JMCMAR
 DT Journal
 LA English
 AB cf. CA 60: 15813c. The previously described prepn. of 4-(2-substituted ethyl)-3,3-diphenyl-2-pyrrolidinones by a rearrangement of (1-substituted 3-pyrrolidinyl)diphenylacetic acids has been expanded in order to observe structure-activity relationships. Variation of the ring and side-chain substituents has produced compds. of varying biol. activity, generally central nervous system stimulants.
 IT 3188-56-5P 3192-44-7P 3192-58-3P
 3192-60-7P 3192-61-8P 3192-63-0P
 3213-07-8P 3213-08-9P 3213-09-0P
 3346-56-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 3188-56-5 CAPLUS
 CN 3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



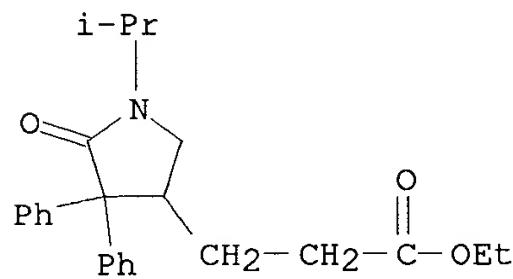
RN 3192-44-7 CAPLUS
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



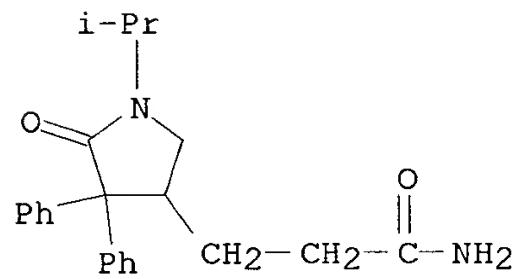
RN 3192-58-3 CAPLUS
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)



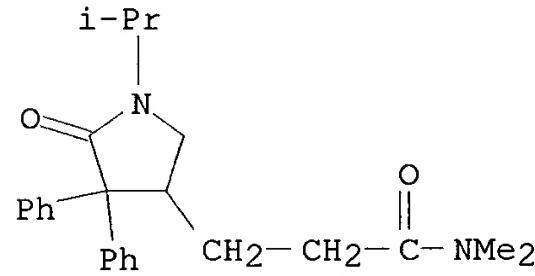
RN 3192-60-7 CAPLUS
 CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester
 (7CI, 8CI) (CA INDEX NAME)



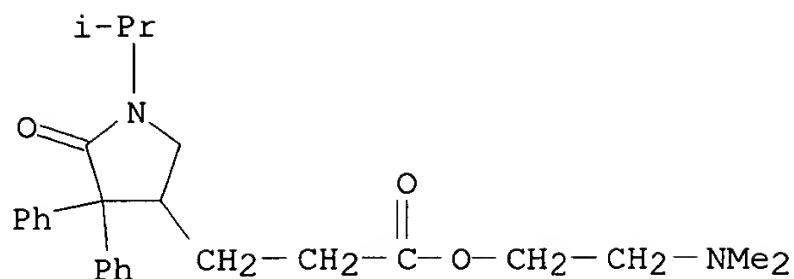
RN 3192-61-8 CAPLUS
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



RN 3192-63-0 CAPLUS
 CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)

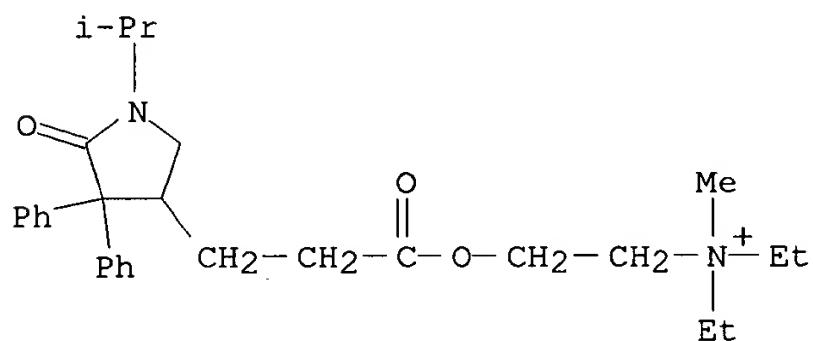


RN 3213-07-8 CAPLUS
 CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, 2-(dimethylamino)ethyl ester, monohydrochloride (8CI) (CA INDEX NAME)



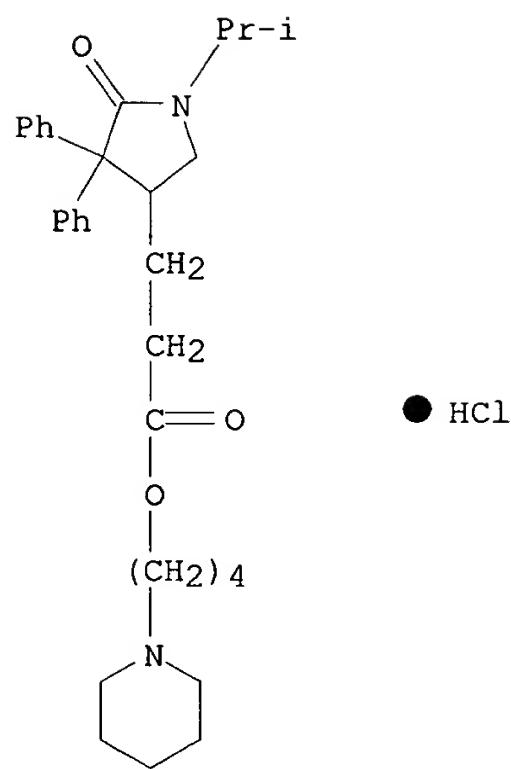
● HCl

RN 3213-08-9 CAPLUS
CN Ammonium, diethyl(2-hydroxyethyl)methyl-, iodide, 1-isopropyl-5-oxo-4,4-diphenyl-3-pyrrolidinepropionate (8CI) (CA INDEX NAME)



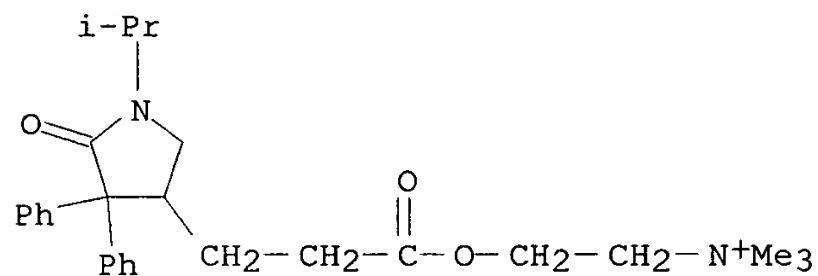
— I —

RN 3213-09-0 CAPLUS
CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-,
4-piperidinobutyl ester, monohydrochloride (8CI) (CA INDEX NAME)



RN 3346-56-3 CAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[3-[1-(1-methylethyl)-5-oxo-4,4-diphenyl-3-pyrrolidinyl]-1-oxopropoxy]-, bromide (9CI) (CA INDEX NAME)



09/732,546

=> d his

(FILE 'HOME' ENTERED AT 11:36:08 ON 09 MAY 2002)

FILE 'REGISTRY' ENTERED AT 11:36:15 ON 09 MAY 2002

L1 STRUCTURE uploaded
L2 QUE L1
L3 1 S L2 SSS SAM
L4 STRUCTURE uploaded
L5 1 S L4 SSS SAM
L6 267 S L4 SSS FUL

FILE 'CAPLUS' ENTERED AT 11:41:21 ON 09 MAY 2002

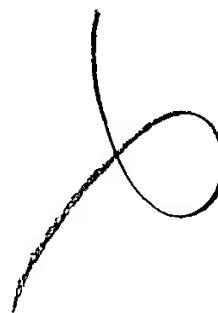
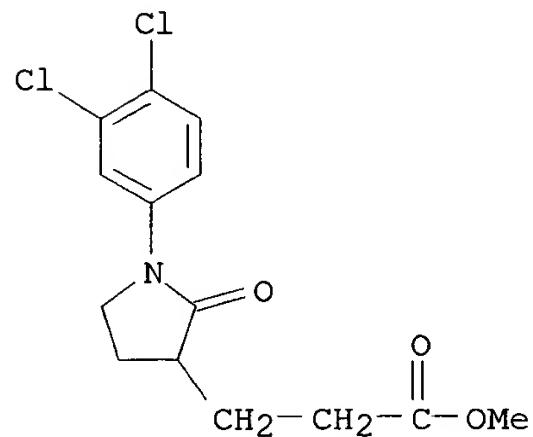
L7 23 S L6

FILE 'CAOLD' ENTERED AT 11:42:20 ON 09 MAY 2002

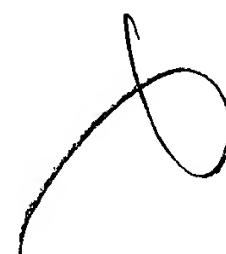
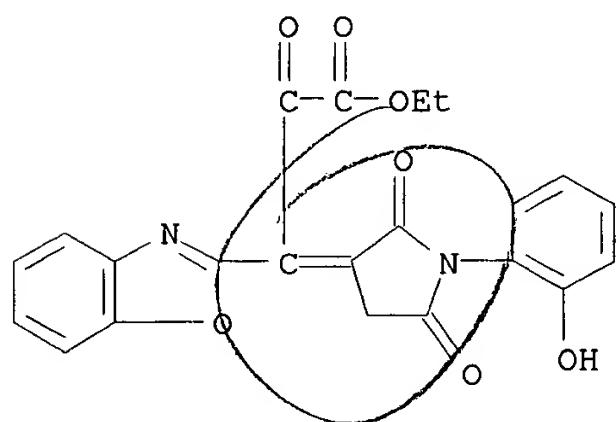
=> s 16
L8 11 L6

=> d 18 1-11 bib,hitstr

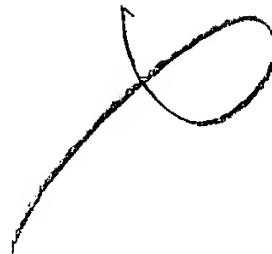
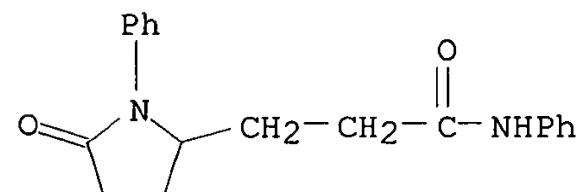
L8 ANSWER 1 OF 11 CAOLD COPYRIGHT 2002 ACS
AN CA65:16927e CAOLD
TI ring transformations in reactions of heterocyclic halo compds. with
nucleophiles - (VII) conversion of bromo derivs., of 3-aminopyridine into
cyanopyrroles
AU Hertog, H. J. den; Martens, R. J.; Plas, H. C. van der; Bon, J.
IT 10006-70-9
RN 10006-70-9 CAOLD
CN 3-Pyrrolidinepropionic acid, 1-(3,4-dichlorophenyl)-2-oxo-, methyl ester
(7CI, 8CI) (CA INDEX NAME)



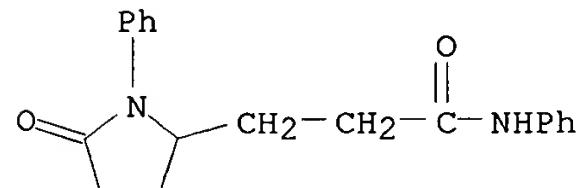
L8 ANSWER 2 OF 11 CAOLD COPYRIGHT 2002 ACS
AN CA65:13678d CAOLD
TI structure of the compd. formed on acid hydrolysis of ethyl
2-benzoxazolylpyruvate
AU Golankiewicz, B.; Golankiewicz, K.; Wyrzykiewicz, E.
IT 14019-06-8
RN 14019-06-8 CAOLD
CN 2-Benzoxazolepyruvic acid, β -[1-(*o*-hydroxyphenyl)-2,5-dioxo-3-
pyrrolidinylidene]-, ethyl ester (7CI, 8CI) (CA INDEX NAME)



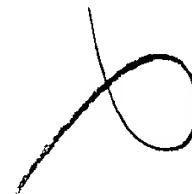
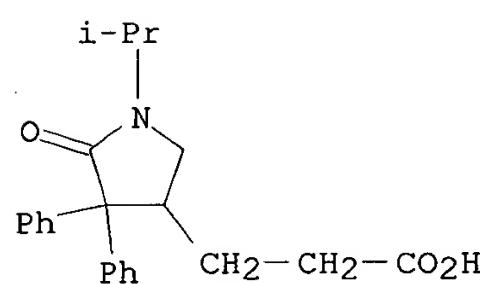
L8 ANSWER 3 OF 11 CAOLD COPYRIGHT 2002 ACS
AN CA64:17409f CAOLD
TI reactions with S ylides
AU Koenig, Horst; Metzger, H.; Seelert, K.
IT 4622-22-4
RN 4622-22-4 CAOLD
CN 2-Pyrrolidinepropionanilide, 5-oxo-1-phenyl- (7CI, 8CI) (CA INDEX NAME)



L8 ANSWER 4 OF 11 CAOLD COPYRIGHT 2002 ACS
AN CA64:3455a CAOLD
TI S ylides - (VIII) reactions of dimethylsulfoxonium methylide with olefins, aromatic compds., and alkylating agents (IX) reaction of dimethylsulfoxonium methylide with azomethines, azines, hydrazones, and nitriles
AU Koenig, Horst; Metzger, H.; Seelert, K.
IT 4622-22-4
RN 4622-22-4 CAOLD
CN 2-Pyrrolidinopropionanilide, 5-oxo-1-phenyl- (7CI, 8CI) (CA INDEX NAME)



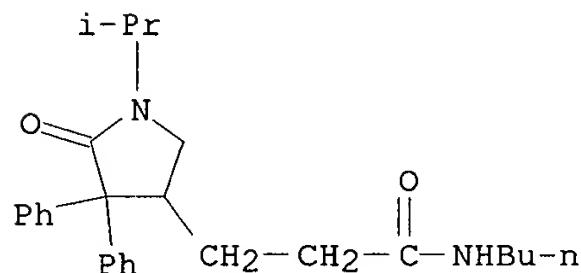
L8 ANSWER 5 OF 11 CAOLD COPYRIGHT 2002 ACS
 AN CA63:11508a CAOLD
 TI 4-(.omega.-aminoalkyl)-3,3-disubstituted-N-hydrocarbon-2-pyrrolidinones
 and corresponding 2-pyrrolidinethiones
 AU Lunsford, Carl D.; Cale, A. D., Jr.
 PA Robins, A. H., Co., Inc.
 DT Patent
 TI 4-aminopyrrolidine-2-carboxylic acid and 5-alkyl derivs.
 AU Mizoguchi, Tomishige; Sakaguchi, R.
 PA Tanabe Seiyaku Co., Ltd.
 DT Patent
 PATENT NO. KIND DATE
 ----- -----
 PI JP 65013742 1965
 PI US 3192206 1965
 IT 3192-58-3
 RN 3192-58-3 CAOLD
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI)
 (CA INDEX NAME)



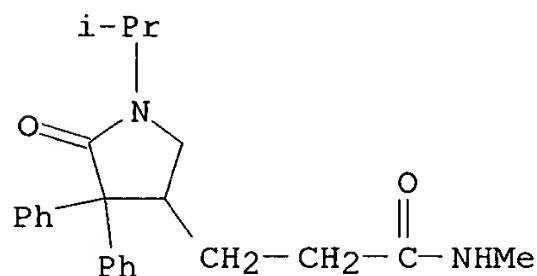
L8 ANSWER 6 OF 11 CAOLD COPYRIGHT 2002 ACS
 AN CA63:11504c CAOLD
 TI 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinones and 4-(.omega.-substituted alkyl)-3,3-disubstituted-2-pyrrolidinethiones
 AU Lunsford, Carl D.; Cale, A. D., Jr.
 DT Patent
 TI 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinones and 4-(.omega.-substituted alkyl)-3,3-disubstituted-2-pyrrolidinethiones
 PA Robins, A. H., Co., Inc.
 DT Patent
 PATENT NO. KIND DATE

| ----- | ----- | ----- |
|--|-----------|-----------|
| PI US 3192210 | | 1965 |
| IT 3188-56-5 | 3192-44-7 | 3192-58-3 |
| | 3192-60-7 | 3192-61-8 |
| RN 3188-56-5 | CAOLD | 3192-63-0 |
| CN 3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME) | | |

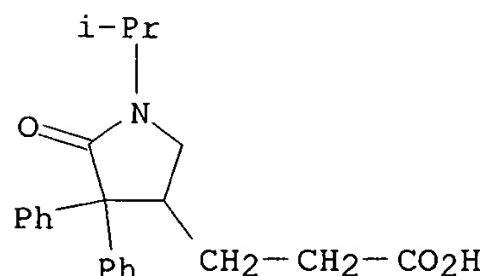
X



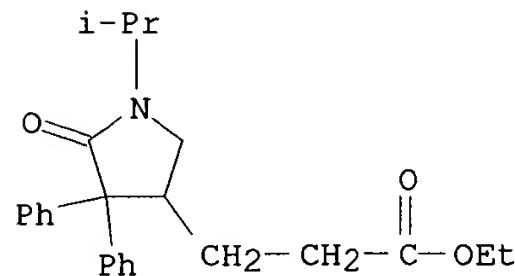
RN 3192-44-7 CAOLD
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



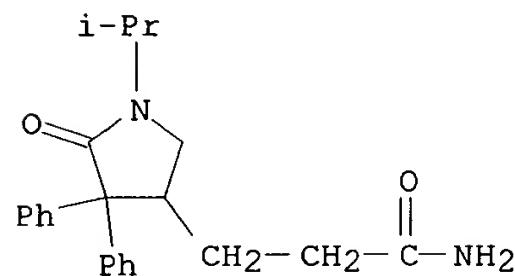
RN 3192-58-3 CAOLD
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)



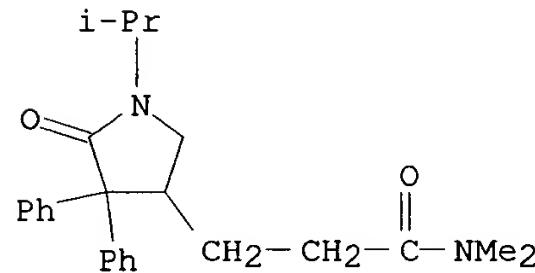
RN 3192-60-7 CAOLD

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester
(7CI, 8CI) (CA INDEX NAME)

RN 3192-61-8 CAOLD

CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA
INDEX NAME)

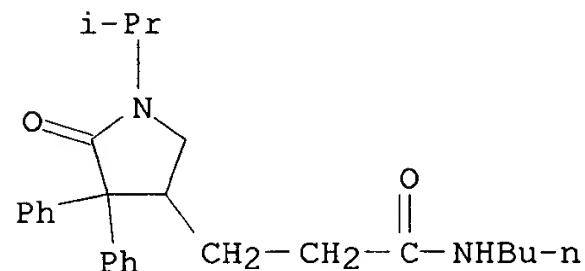
RN 3192-63-0 CAOLD

CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,
4-diphenyl- (9CI) (CA INDEX NAME)

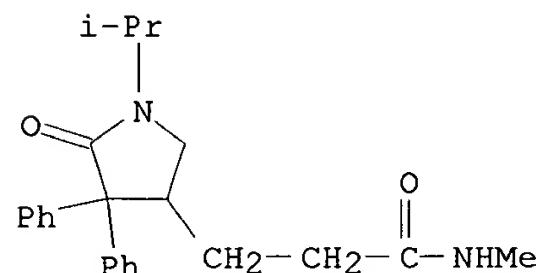
L8 ANSWER 7 OF 11 CAOLD COPYRIGHT 2002 ACS
 AN CA63:11504b CAOLD
 TI 1,3,3-trisubstituted-4-(.beta.-haloalkyl)-2-pyrrolidinone
 AU Lunsford, Carl D.; Cale, A. D., Jr.
 DT Patent
 TI 1,3,3-trisubstituted-4-(.beta.-haloalkyl)-2-pyrrolidinone
 PA Robins, A. H., Co., Inc.
 DT Patent
 TI 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinones and 4-(.omega.-substituted alkyl)-3,3-disubstituted-1-substituted-2-pyrrolidinethiones
 AU Lunsford, Carl D.; Cale, A. D., Jr.
 PA Robins, A. H., Co., Inc.
 DT Patent

| PATENT NO. | KIND | DATE |
|--|-----------|-----------|
| ----- | ----- | ----- |
| PI US 3192221 | | 1965 |
| PI US 3192230 | | 1965 |
| IT 3188-56-5 | 3192-44-7 | 3192-58-3 |
| | 3192-60-7 | 3192-61-8 |
| RN 3188-56-5 | CAOLD | |
| CN 3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME) | | |

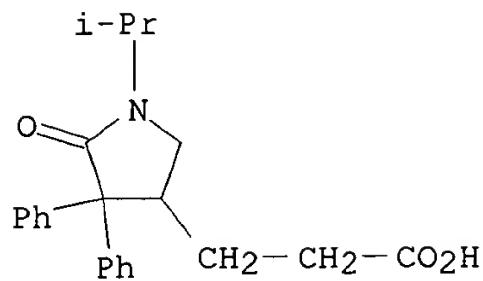
6



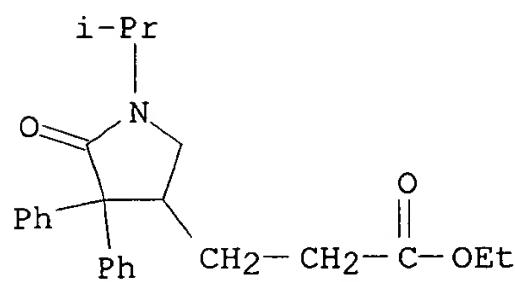
RN 3192-44-7 CAOLD
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



RN 3192-58-3 CAOLD
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)

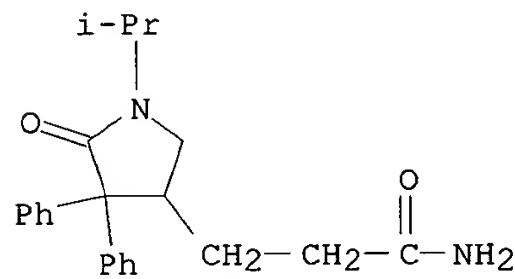


RN 3192-60-7 CAOLD
 CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester
 (7CI, 8CI) (CA INDEX NAME)

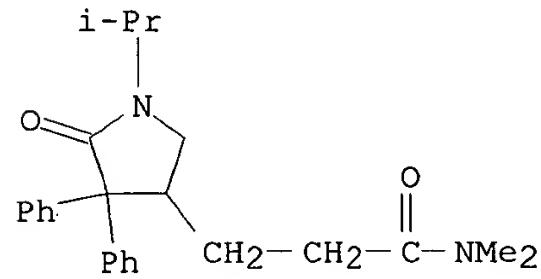


~~✓~~

RN 3192-61-8 CAOLD
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)

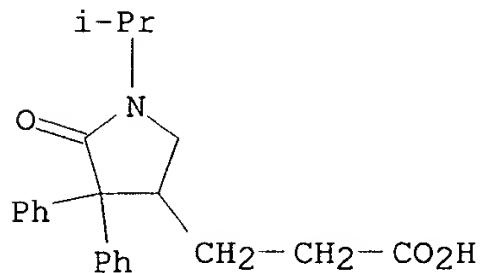


RN 3192-63-0 CAOLD
 CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)

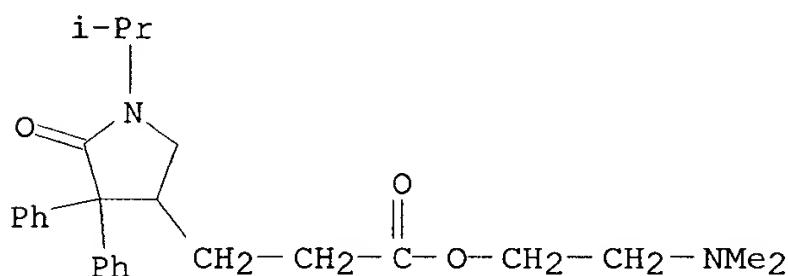


L8 ANSWER 8 OF 11 CAOLD COPYRIGHT 2002 ACS
 AN CA63:11503a CAOLD
 TI substituted 3,3-diphenyl-2-pyrrolidinones and 3,3-diphenyl-2-pyrrolidinethiones
 AU Lunsford, Carl D.; Cale, A. D., Jr.
 PA Robins, A. H., Co., Inc.
 DT Patent
 PATENT NO. KIND DATE
 ----- -----
 PI US 3192207 1965
 GB 1022960
 IT 3192-58-3 3213-07-8 3213-08-9
 3213-09-0 3346-56-3
 RN 3192-58-3 CAOLD
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI)
 (CA INDEX NAME)

X

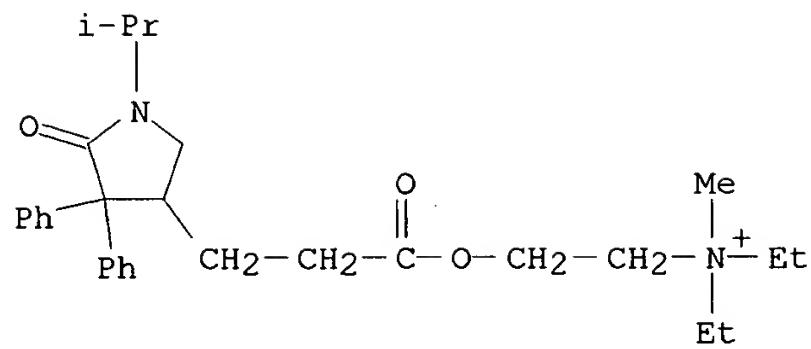


RN 3213-07-8 CAOLD
 CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-,
 2-(dimethylamino)ethyl ester, monohydrochloride (8CI) (CA INDEX NAME)



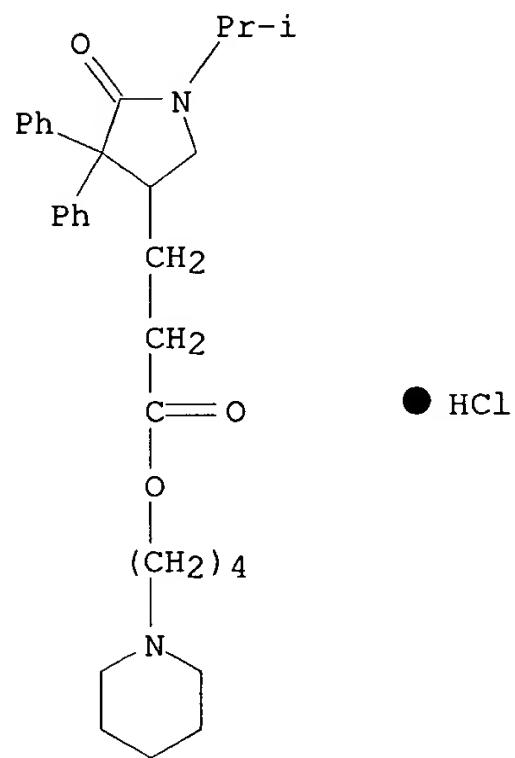
● HCl

RN 3213-08-9 CAOLD
 CN Ammonium, diethyl(2-hydroxyethyl)methyl-, iodide, 1-isopropyl-5-oxo-4,4-diphenyl-3-pyrrolidinepropionate (8CI) (CA INDEX NAME)



● I-

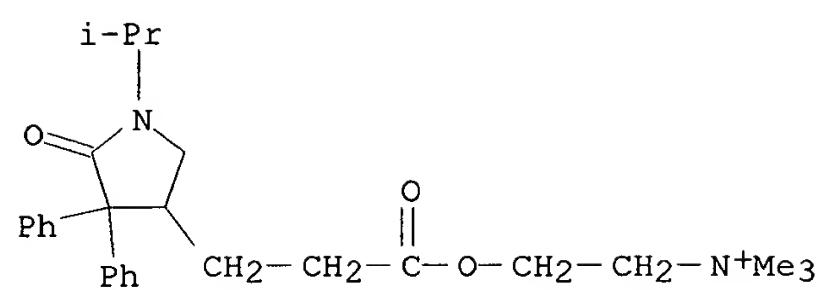
RN 3213-09-0 CAOLD

CN 3-Pyrrolidinopropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-,
4-piperidinobutyl ester, monohydrochloride (8CI) (CA INDEX NAME)

● HCl

RN 3346-56-3 CAOLD

CN Ethanaminium, N,N,N-trimethyl-2-[3-[1-(1-methylethyl)-5-oxo-4,4-diphenyl-3-pyrrolidinyl]-1-oxopropoxy]-, bromide (9CI) (CA INDEX NAME)



● Br⁻

L8 ANSWER 9 OF 11 CAOLD COPYRIGHT 2002 ACS

AN CA63:4435f CAOLD

TI color couplers (photographic)

PA Ilford Ltd.

DT Patent

PATENT NO. KIND DATE

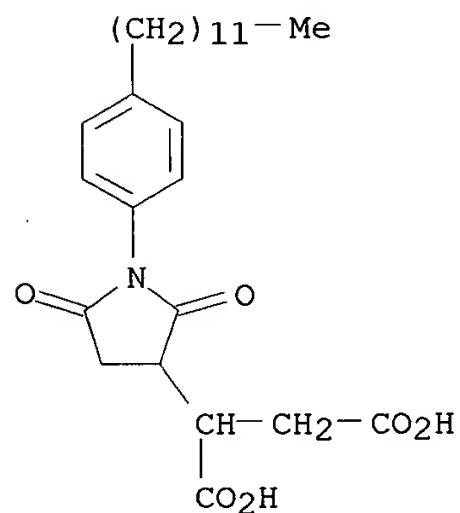
PI NL 6406891

BE 649350

GB 1004075

IT 2321-22-4

RN 2321-22-4 CAOLD

CN 3-Pyrrolidinesuccinic acid, 1-(p-dodecylphenyl)-2,5-dioxo-, potassium salt
(7CI, 8CI) (CA INDEX NAME)

● K

L8 ANSWER 10 OF 11 CAOLD COPYRIGHT 2002 ACS

AN CA59:5138a CAOLD

TI pyrrolidinones

PA Rohm & Haas Co.

DT Patent

TI substituted pyrrolidinones

AU Exner, Lawrence J.

DT Patent

| PATENT NO. | KIND | DATE |
|------------|------|------|
|------------|------|------|

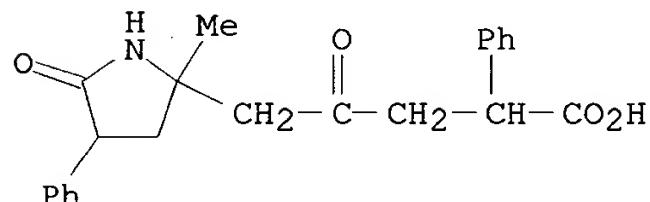
| | | |
|---------------|--|------|
| PI US 3079399 | | 1963 |
|---------------|--|------|

IT 95130-76-0

RN 95130-76-0 CAOLD

CN 2-Pyrrolidinelevulinic acid, 2-methyl-5-oxo-.alpha.,4-diphenyl- (7CI) (CA INDEX NAME)

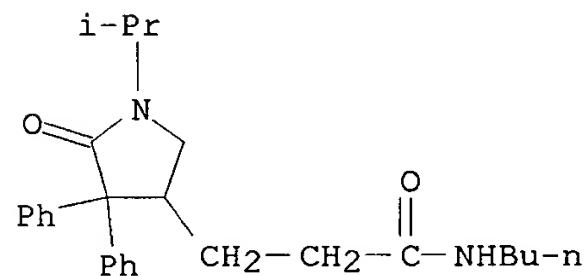
~~✓~~



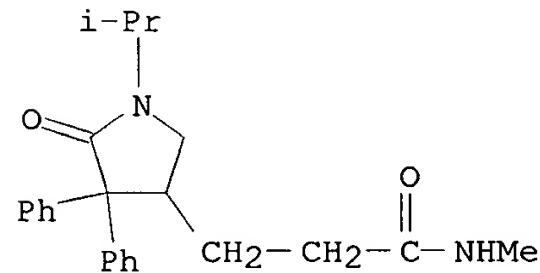
L8 ANSWER 11 OF 11 CAOLD COPYRIGHT 2002 ACS
 AN CA58:507g CAOLD
 TI pyrrolidinones
 AU Lunsford, Carl D.; Cale, A. D., Jr.
 PA Robins, A. H., Co., Inc.
 DT Patent
 PATENT NO. KIND DATE

 PI BE 613734
 FR 1341491
 FR M2640
 GB 969063
 IT 3188-56-5 3192-44-7 3192-58-3
 3192-60-7 3192-61-8 3192-63-0
 95438-94-1
 RN 3188-56-5 CAOLD
 CN 3-Pyrrolidinepropionamide, N-butyl-1-isopropyl-5-oxo-4,4-diphenyl- (7CI,
 8CI) (CA INDEX NAME)

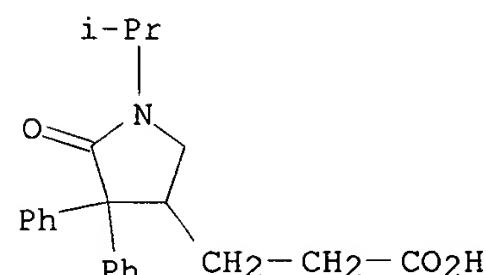
X



RN 3192-44-7 CAOLD
 CN 3-Pyrrolidinepropionamide, 1-isopropyl-N-methyl-5-oxo-4,4-diphenyl- (7CI,
 8CI) (CA INDEX NAME)

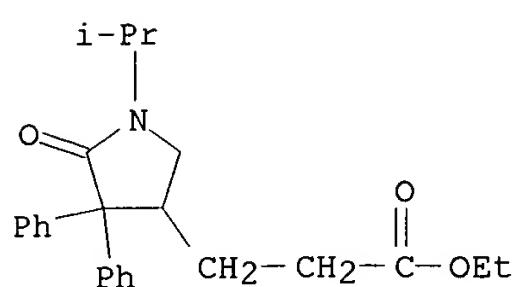


RN 3192-58-3 CAOLD
 CN 3-Pyrrolidinepropanoic acid, 1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI)
 (CA INDEX NAME)



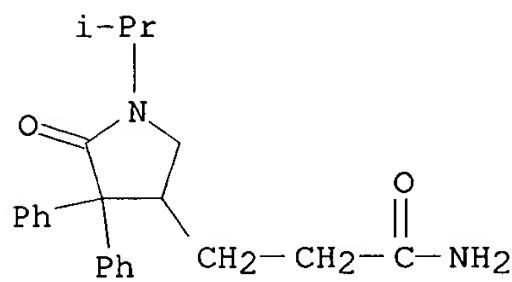
RN 3192-60-7 CAOLD

CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, ethyl ester
(7CI, 8CI) (CA INDEX NAME)

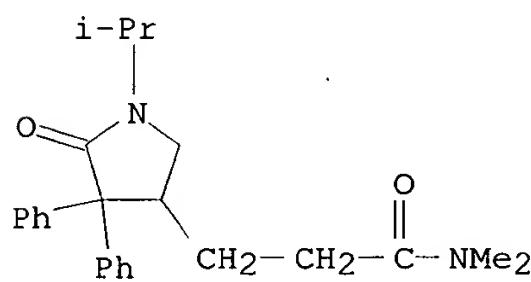


✓

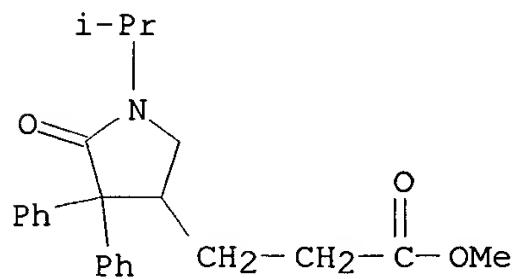
RN 3192-61-8 CAOLD
CN 3-Pyrrolidinepropionamide, 1-isopropyl-5-oxo-4,4-diphenyl- (7CI, 8CI) (CA INDEX NAME)



RN 3192-63-0 CAOLD
CN 3-Pyrrolidinepropanamide, N,N-dimethyl-1-(1-methylethyl)-5-oxo-4,4-diphenyl- (9CI) (CA INDEX NAME)



RN 95438-94-1 CAOLD
CN 3-Pyrrolidinepropionic acid, 1-isopropyl-5-oxo-4,4-diphenyl-, methyl ester
(7CI) (CA INDEX NAME)



09/732,546

| => log y | | | |
|--|------------|---------|--|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| FULL ESTIMATED COST | 28.65 | 273.92 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| CA SUBSCRIBER PRICE | 0.00 | -14.25 | |

STN INTERNATIONAL LOGOFF AT 11:42:58 ON 09 MAY 2002